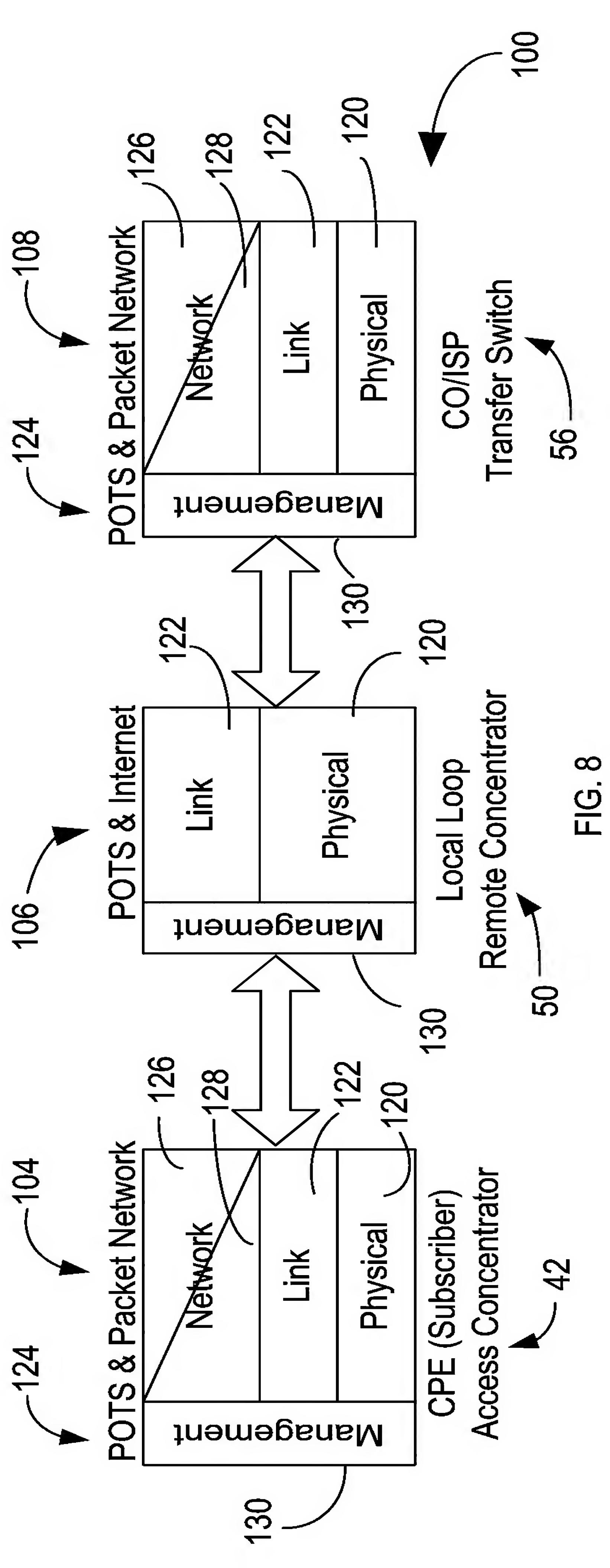
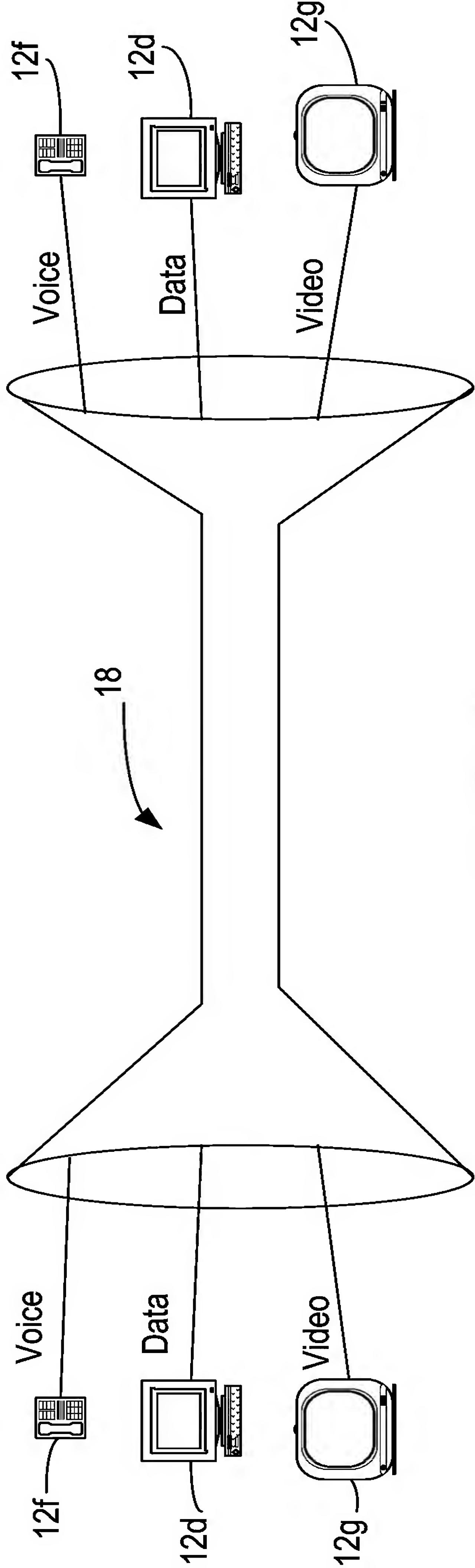
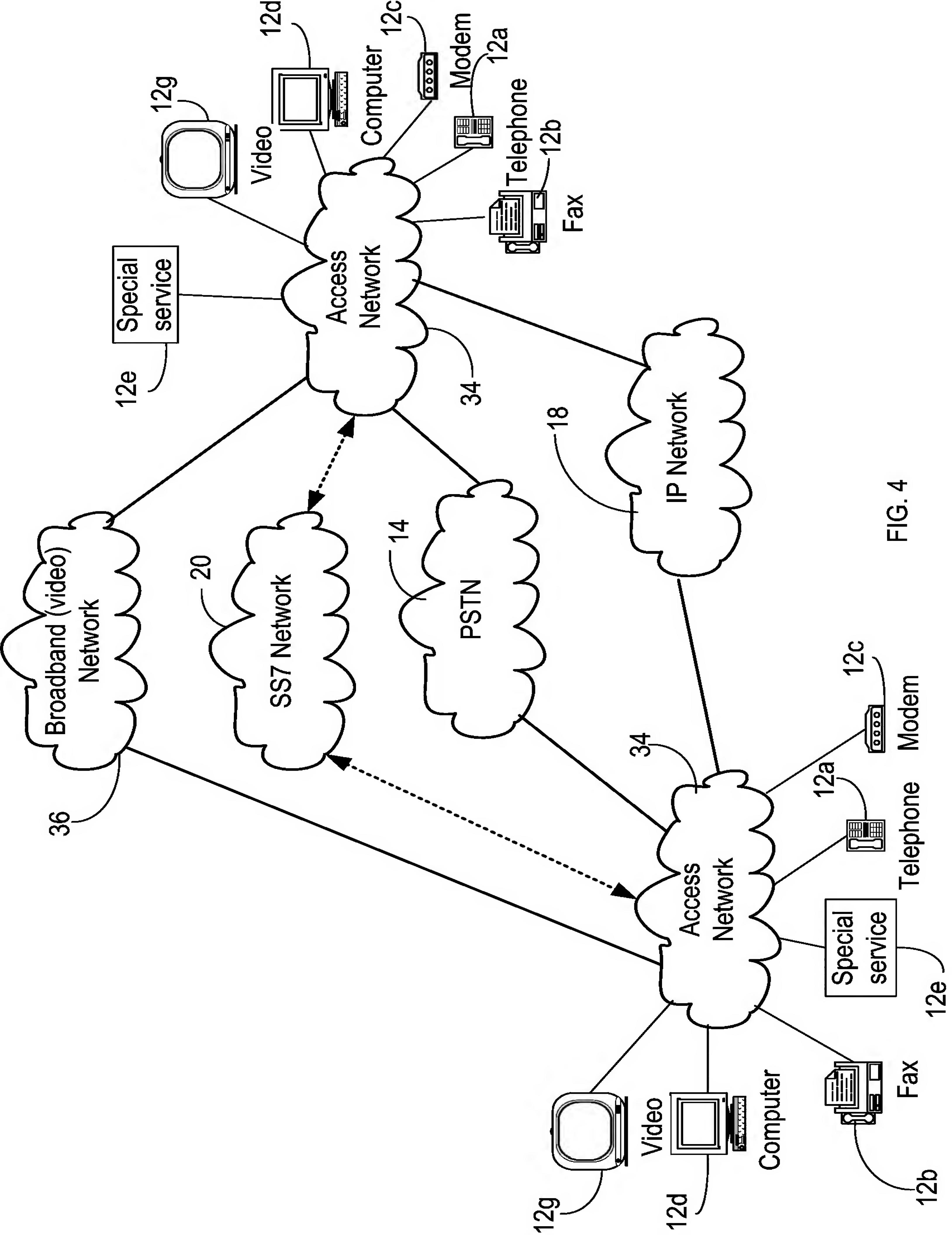


FIG. 2 Background Art





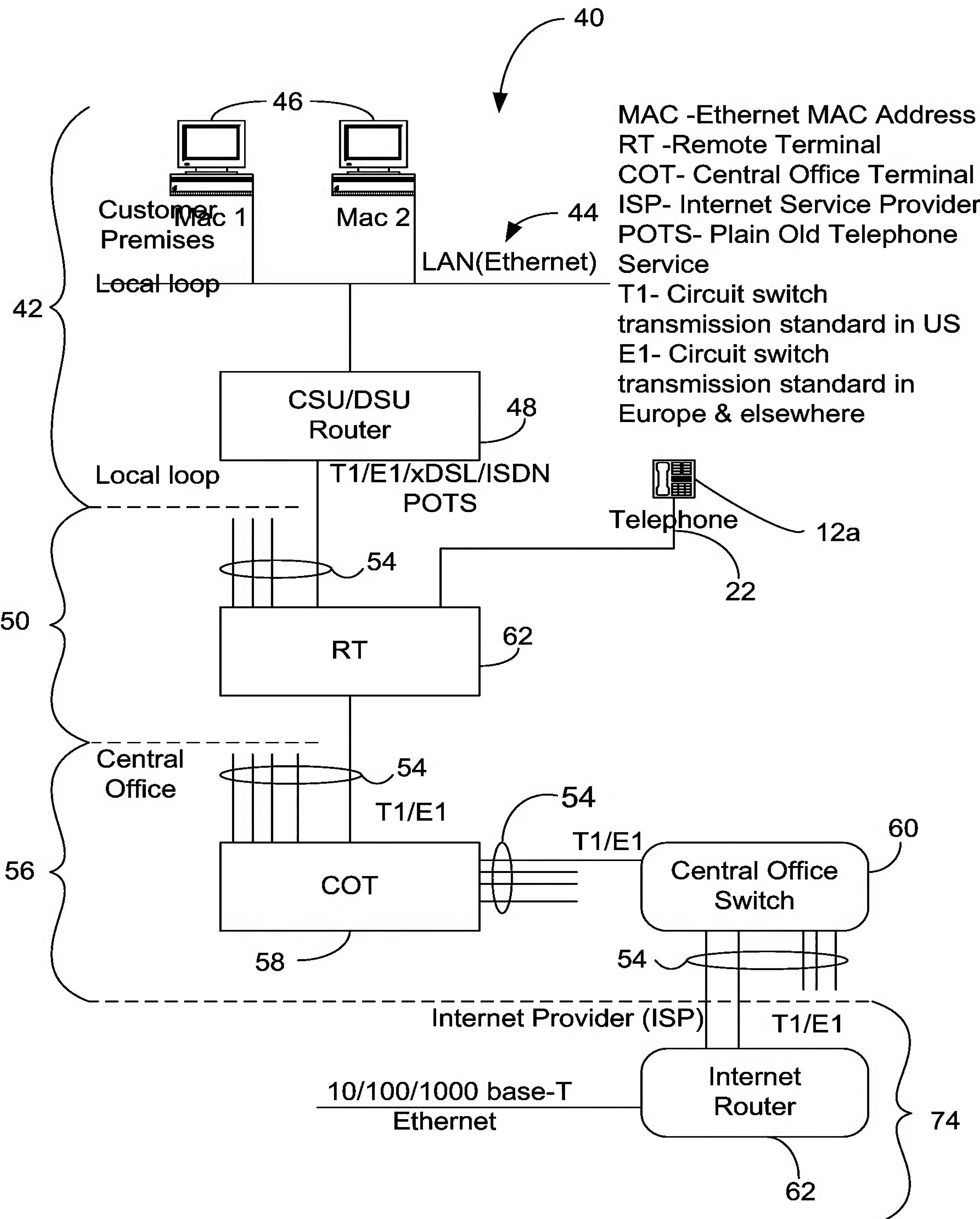


FIG. 6a Prior Art

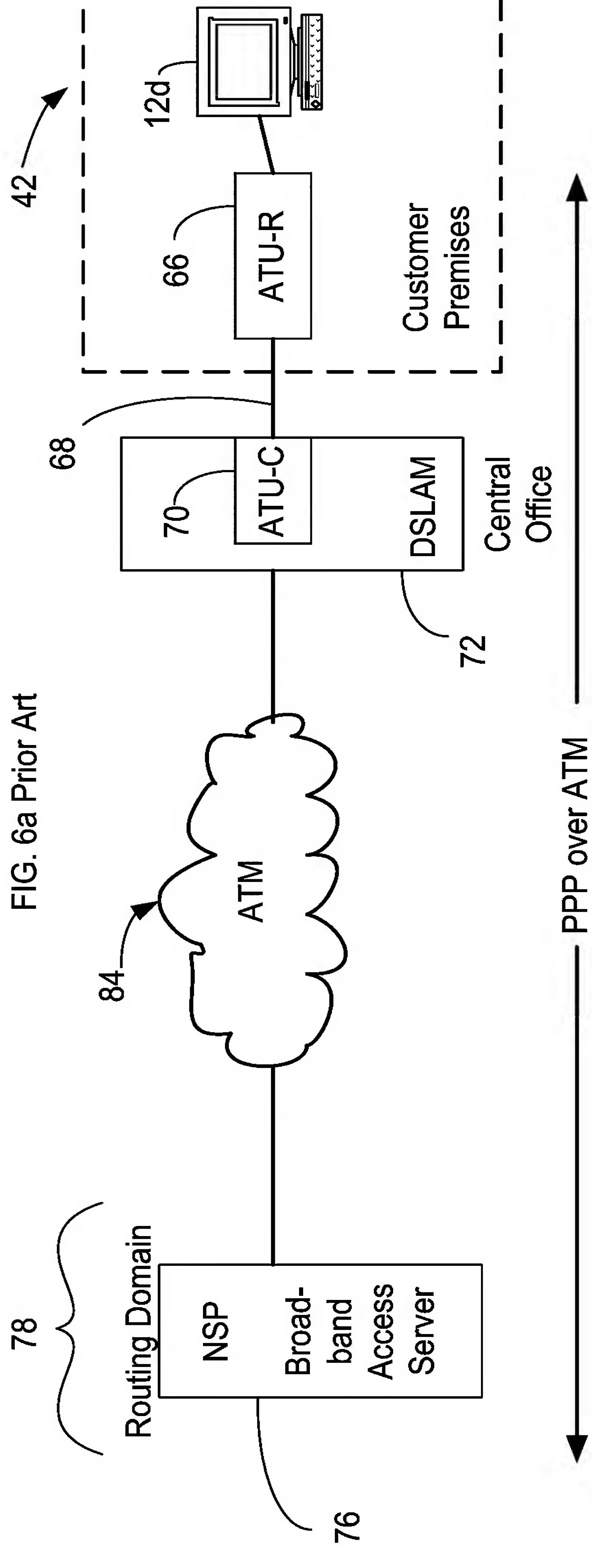


FIG. 6b Prior Art

Local LAN

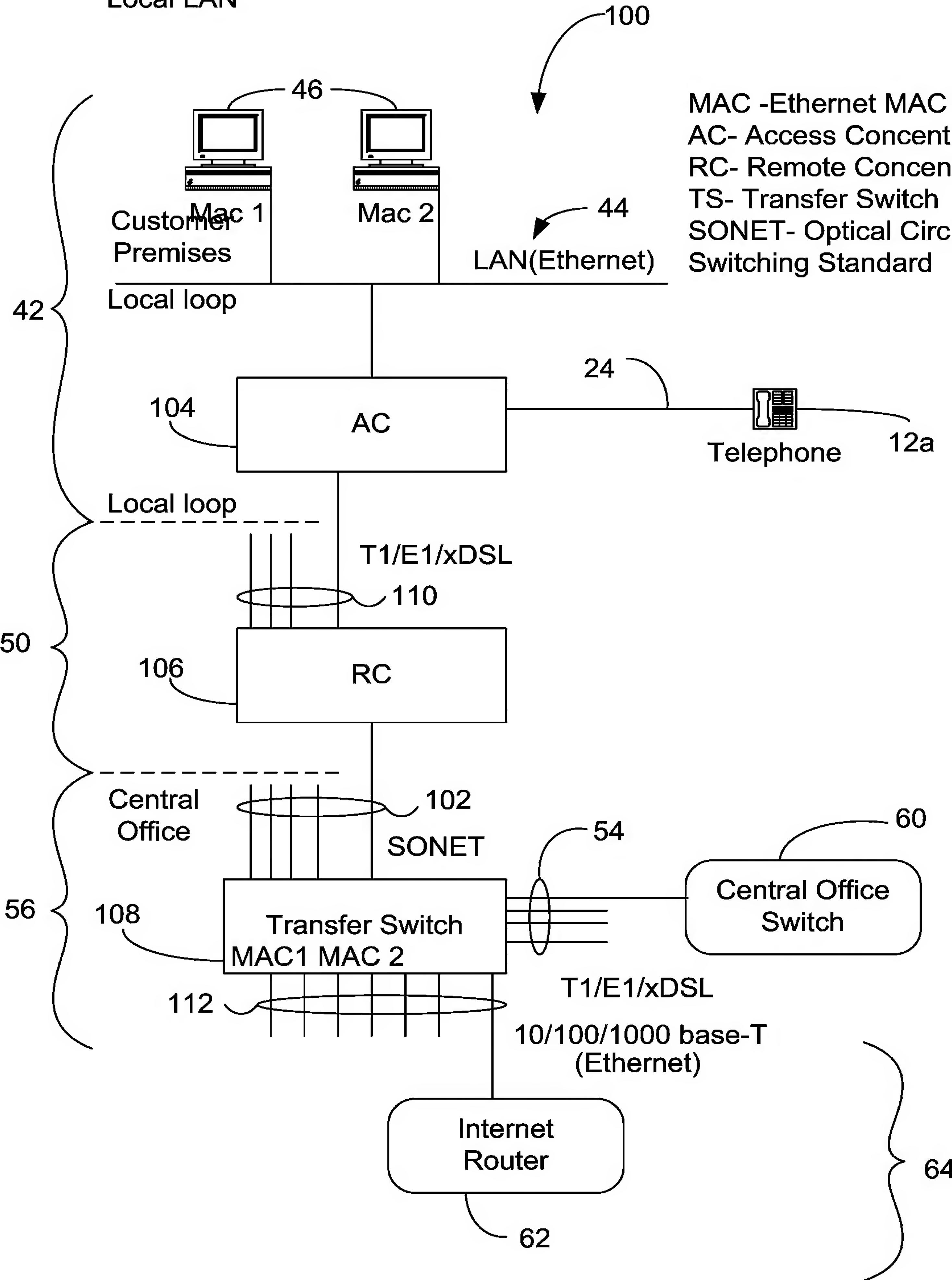


FIG. 7

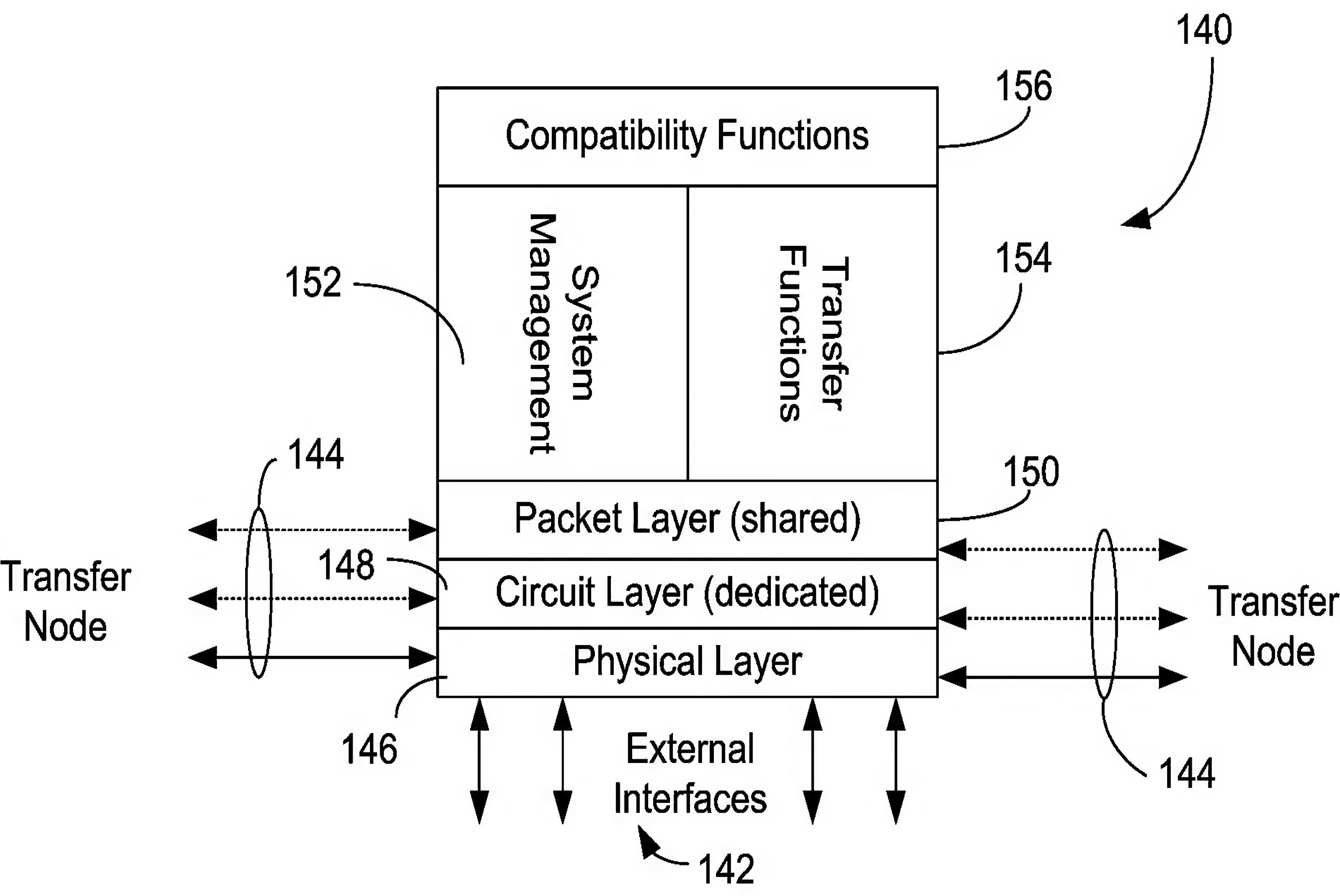


FIG. 9

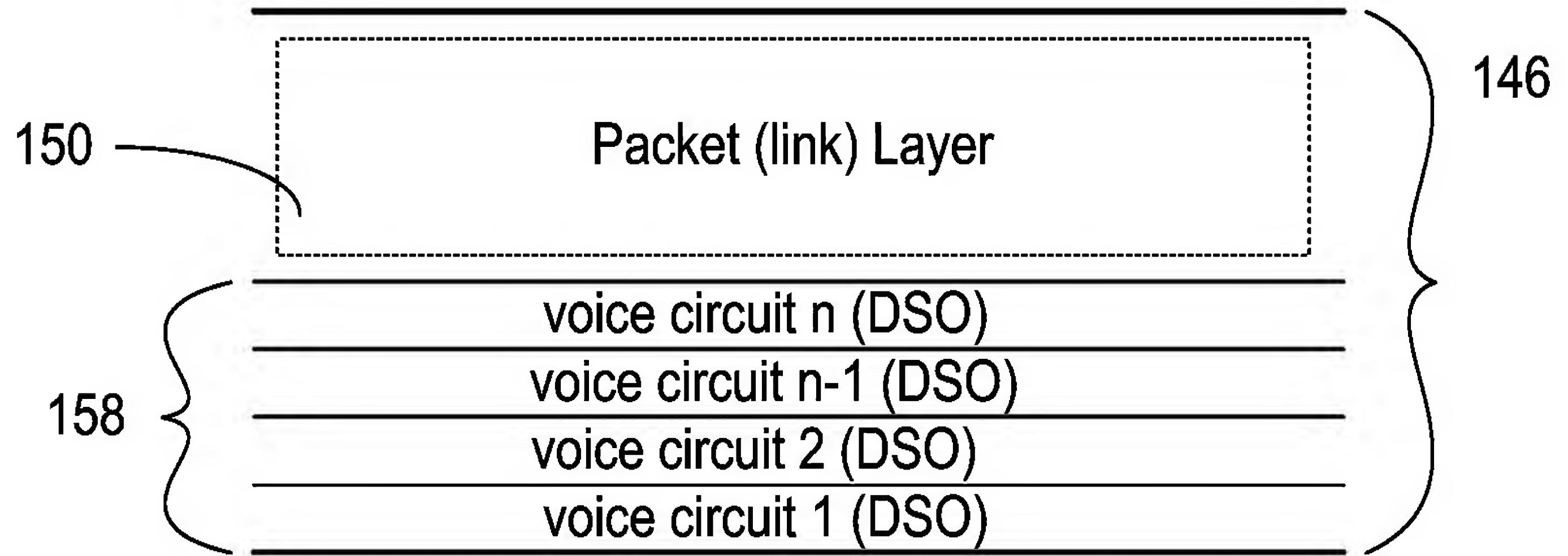


FIG. 10

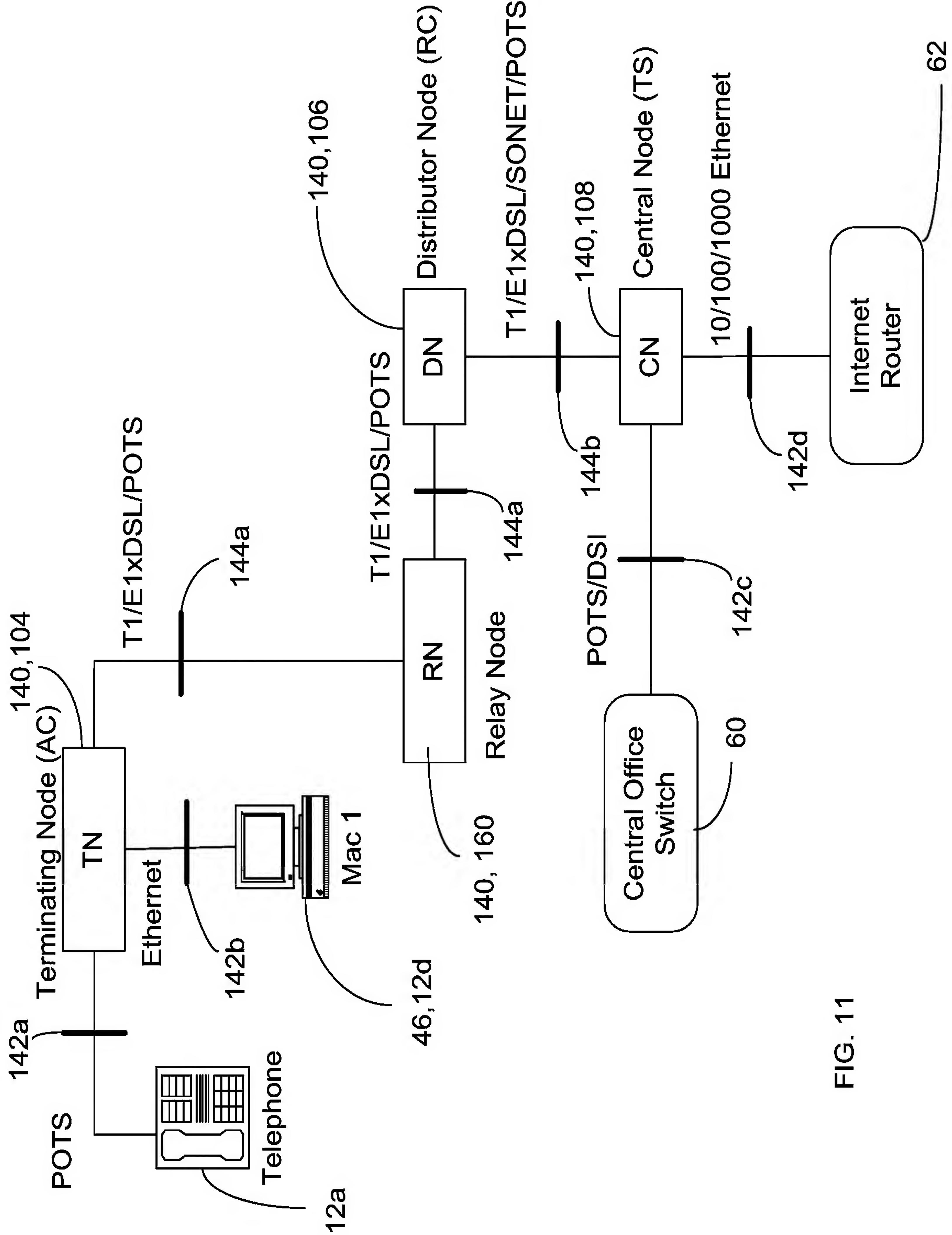


FIG. 11

56

42

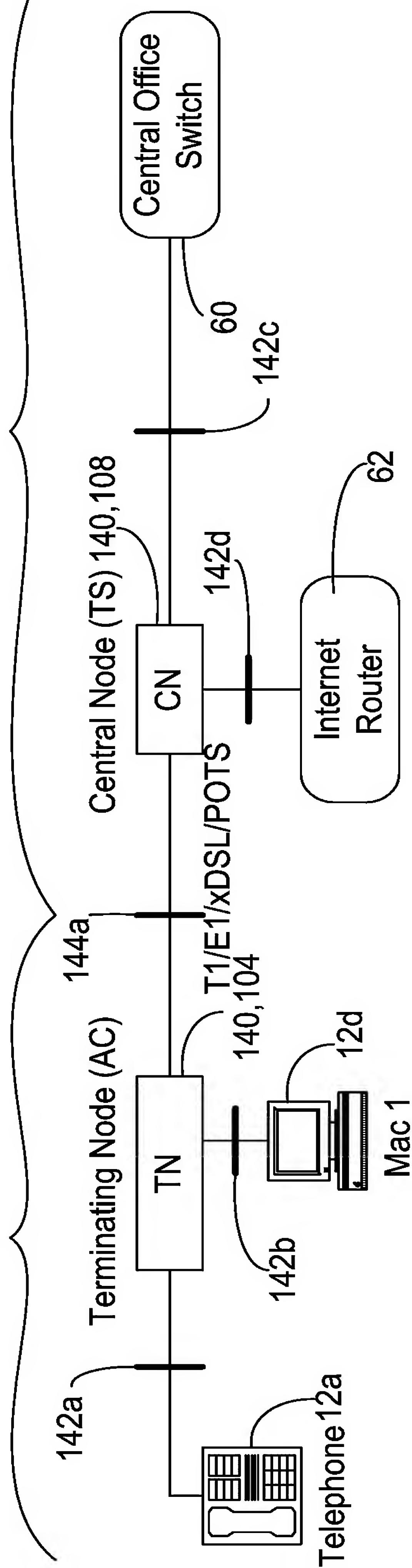


FIG. 12a

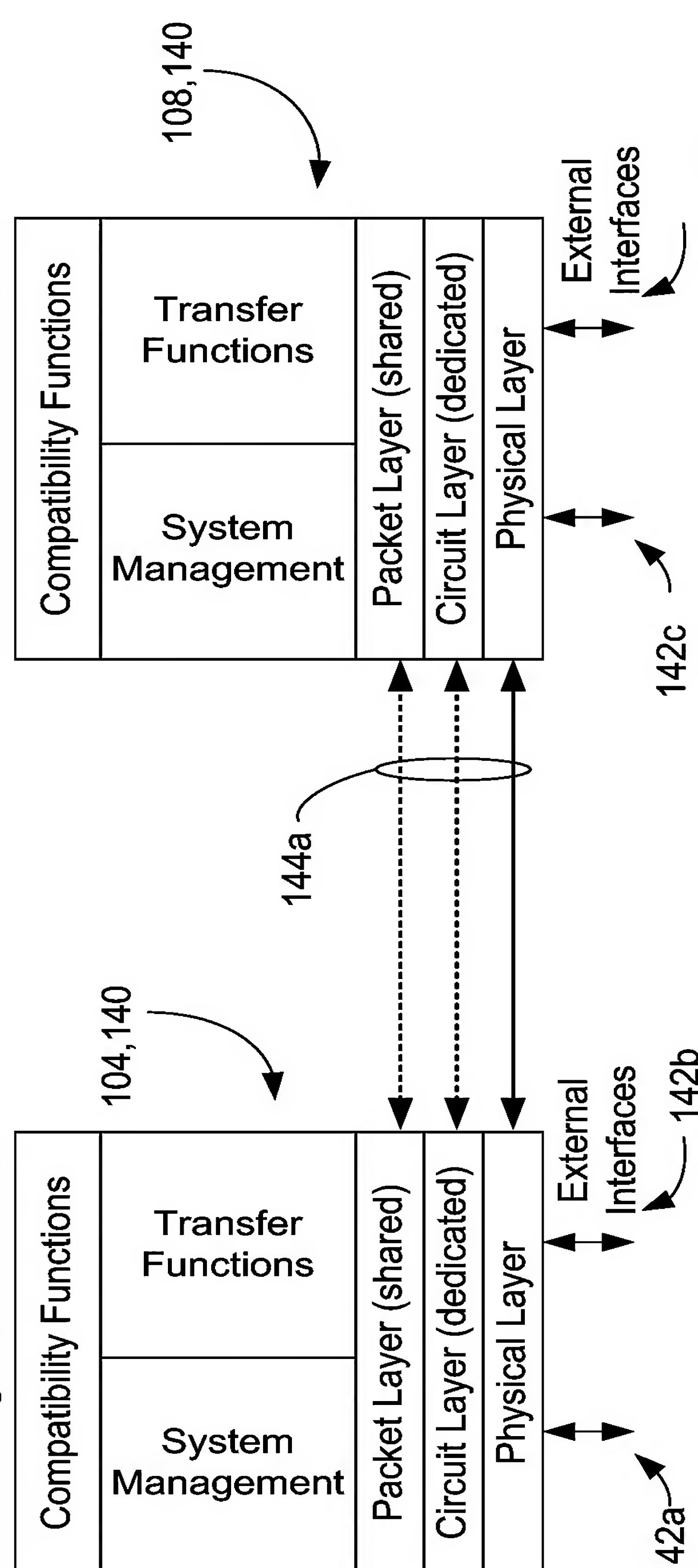
Terminating Transfer Node

FIG. 12b

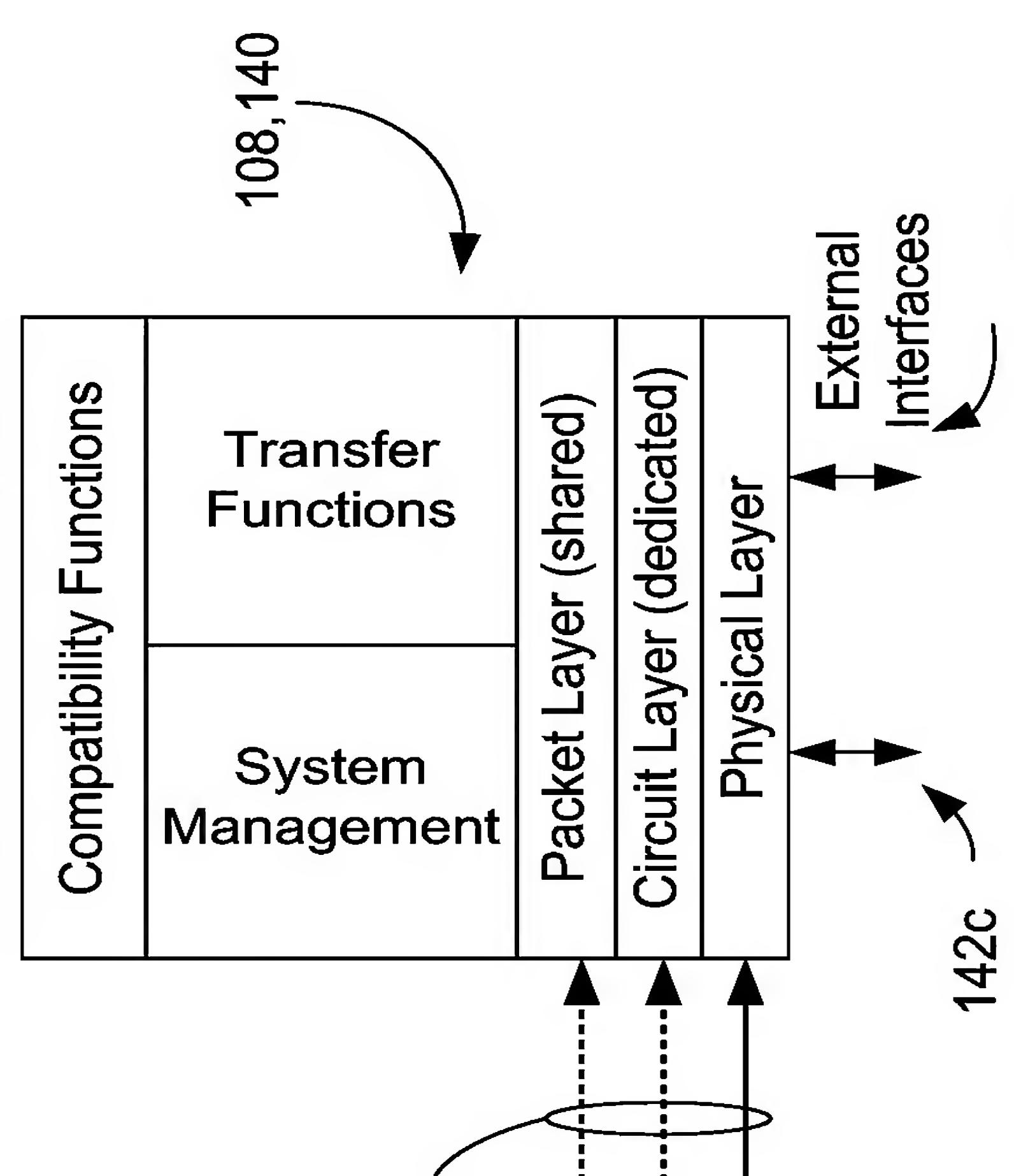
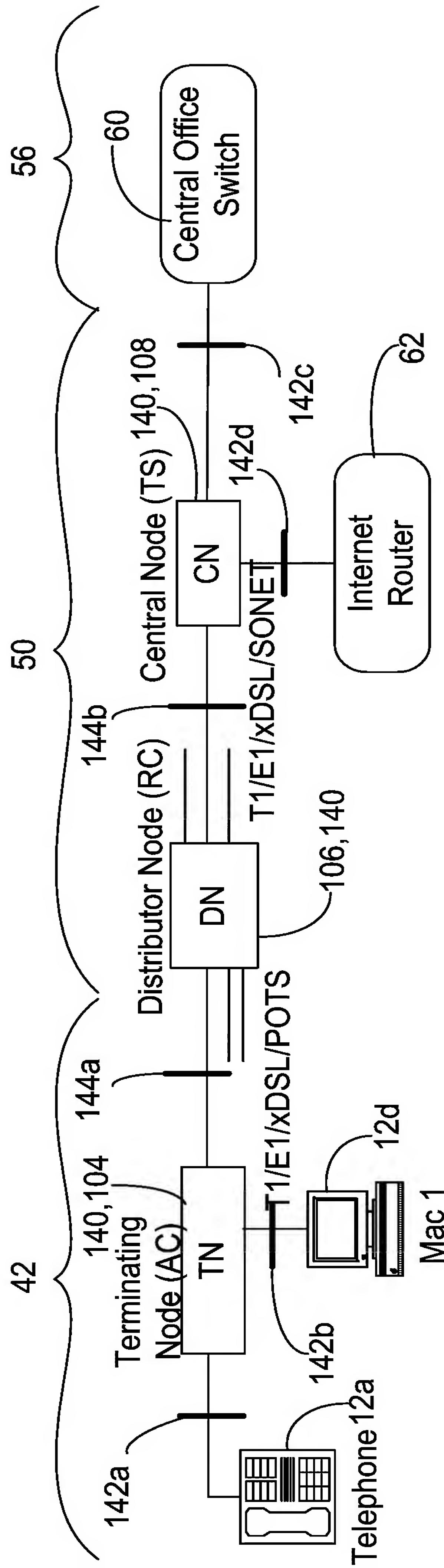
Central Transfer Node

FIG. 12a



Terminating Transfer Node

Central Transfer Node

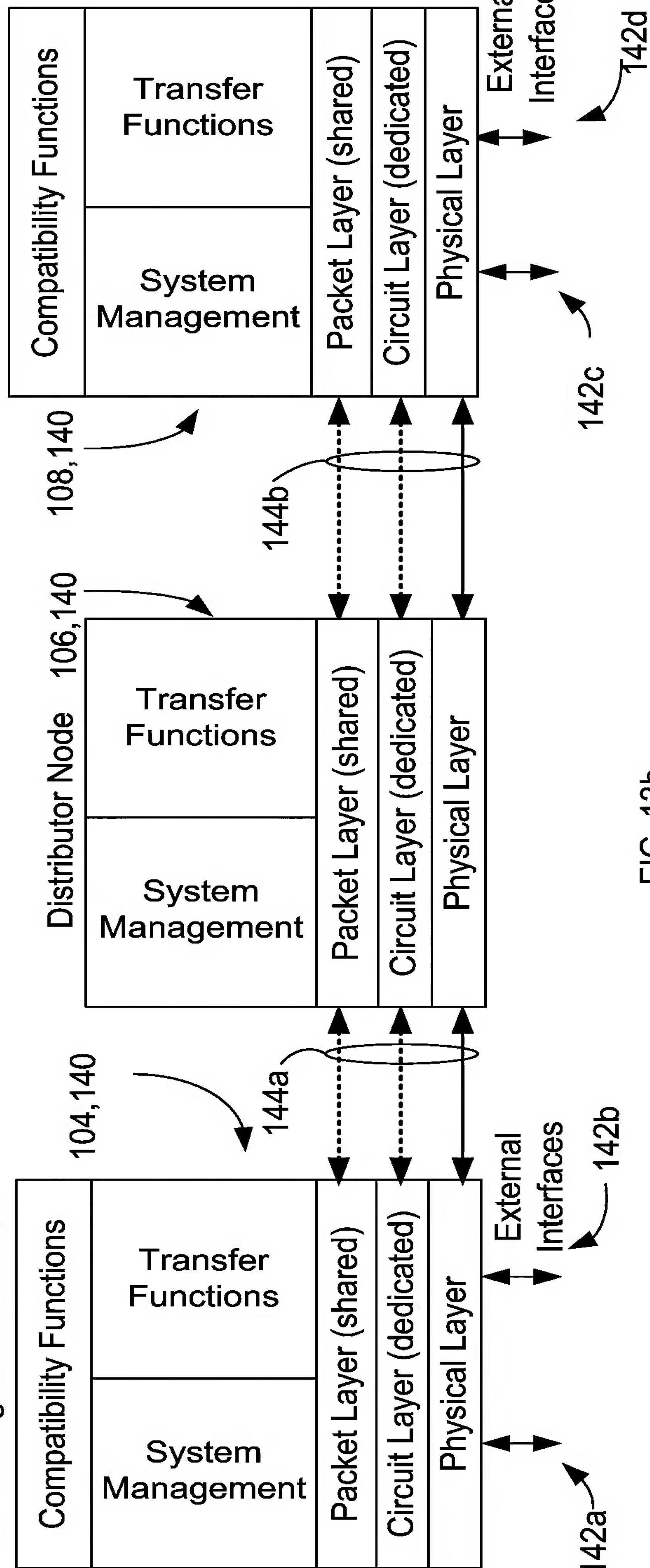
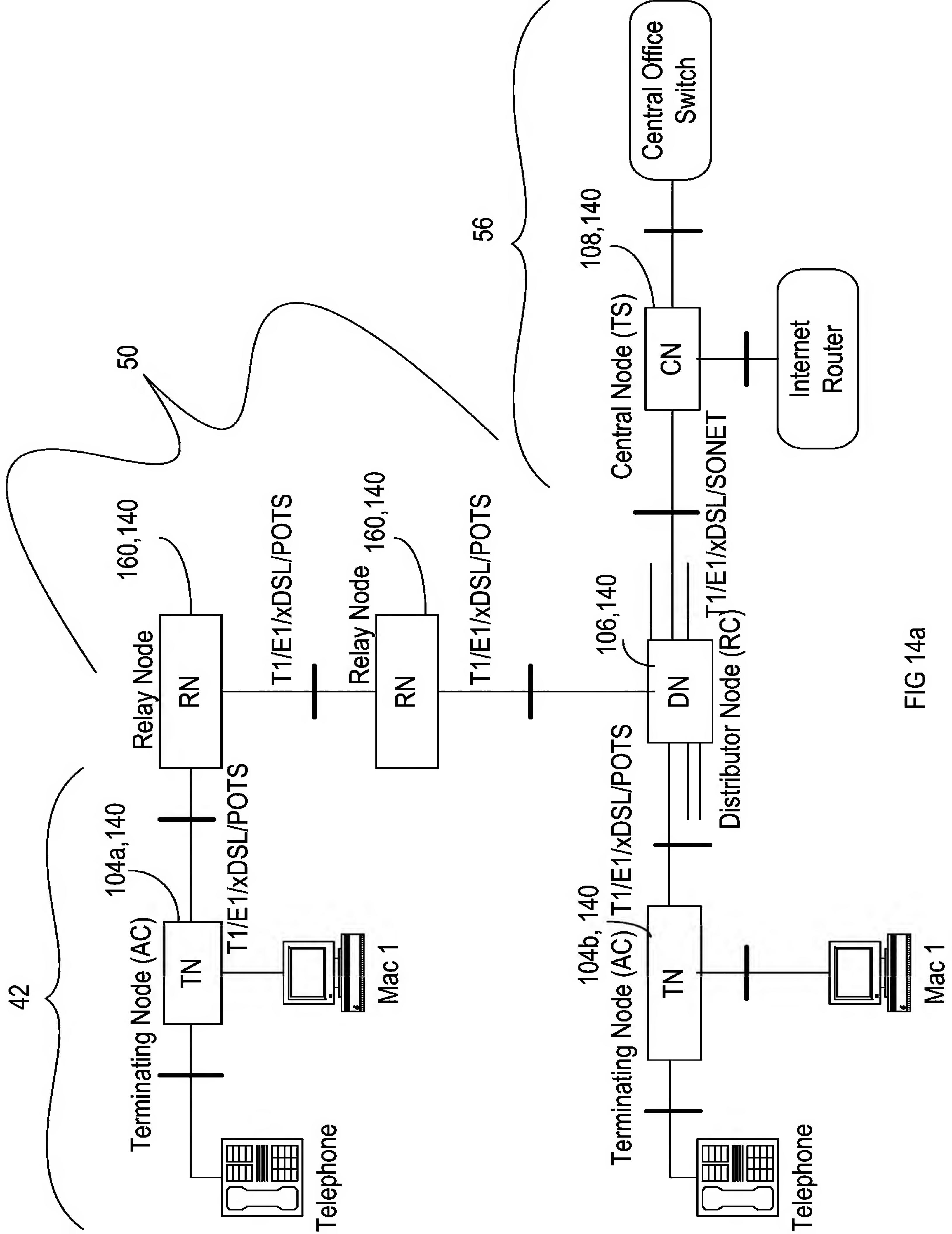


FIG. 13b



Terminating Transfer Node (AC)

104a, 104b, 140

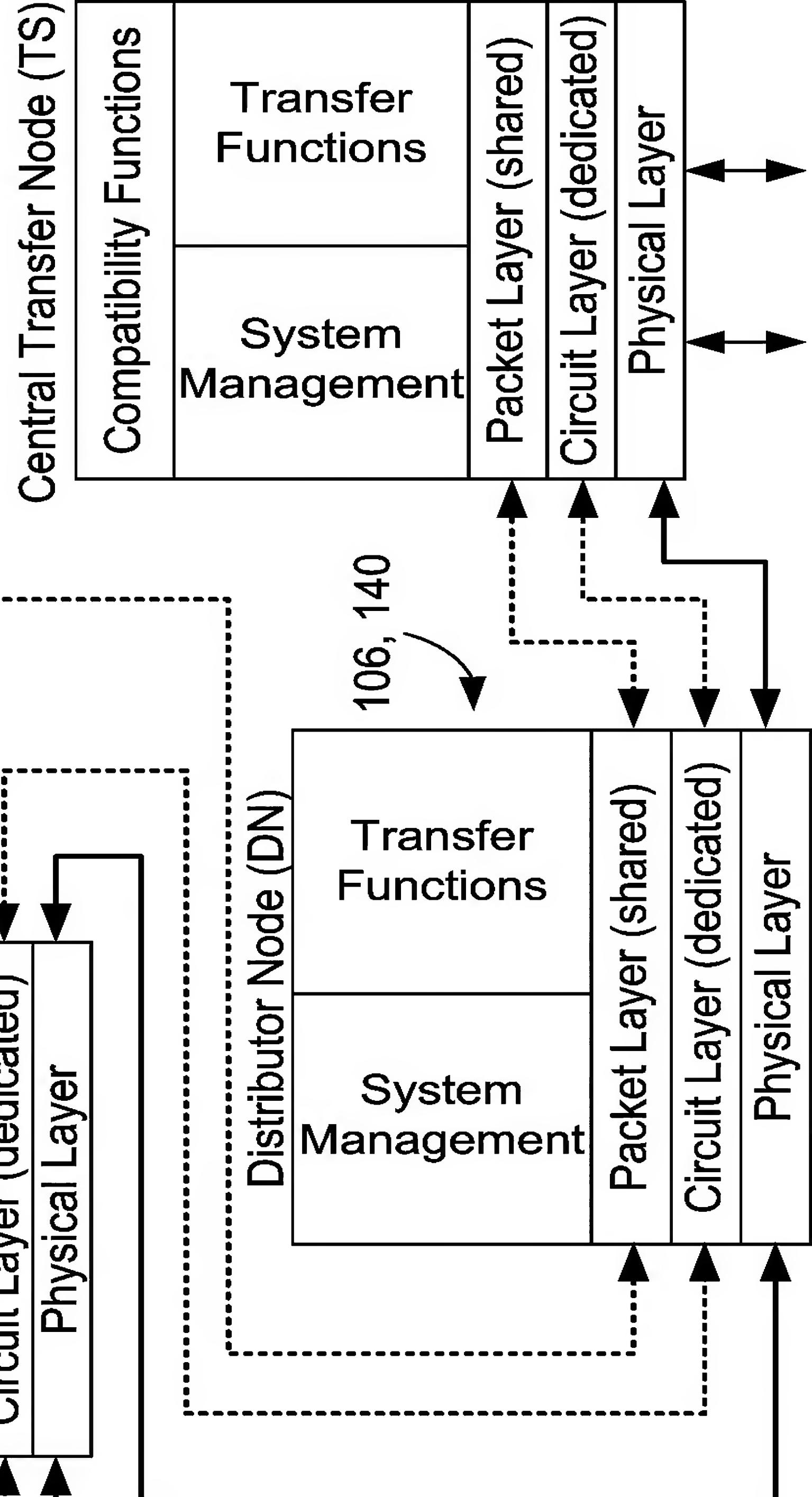
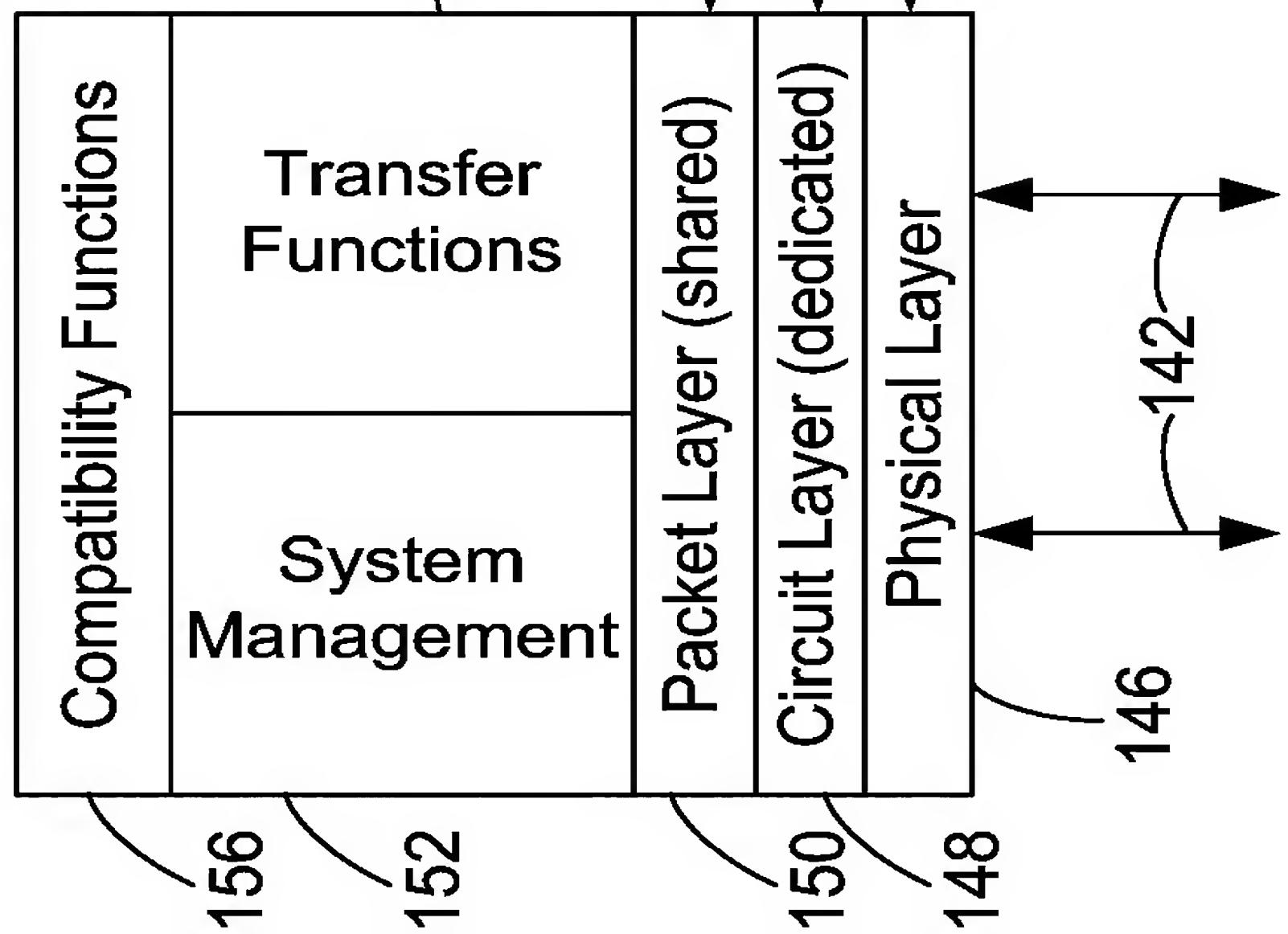


FIG. 14b

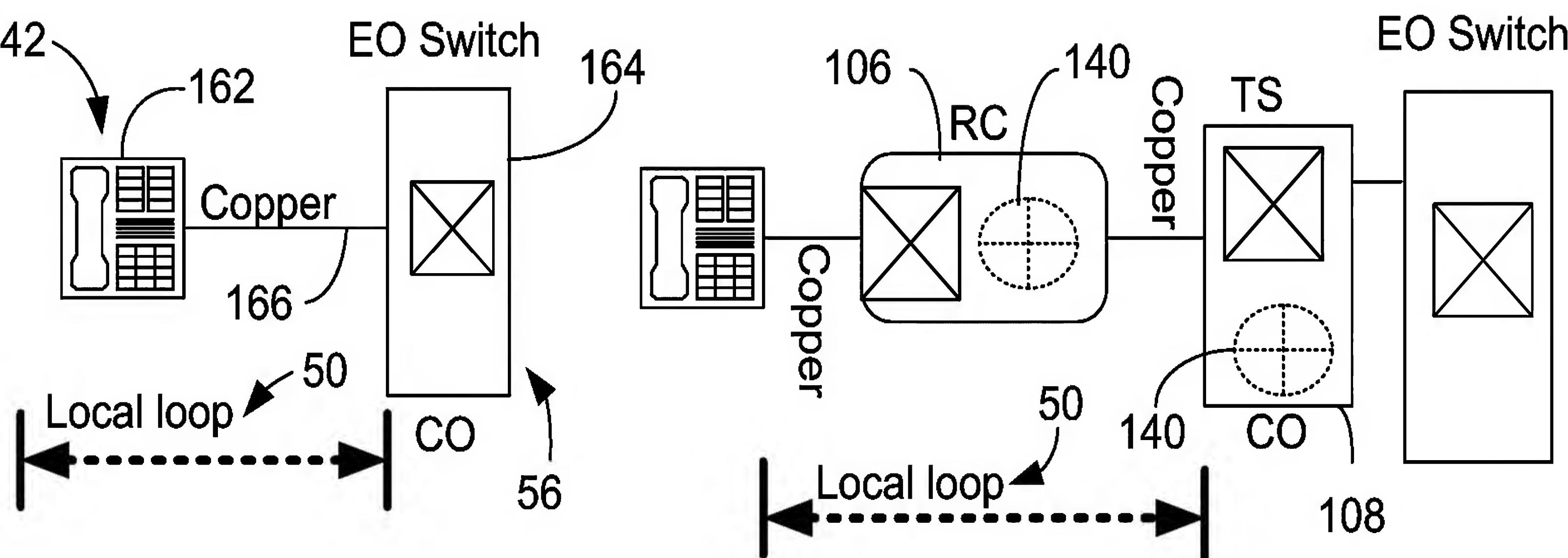


FIG. 15a

FIG. 15b

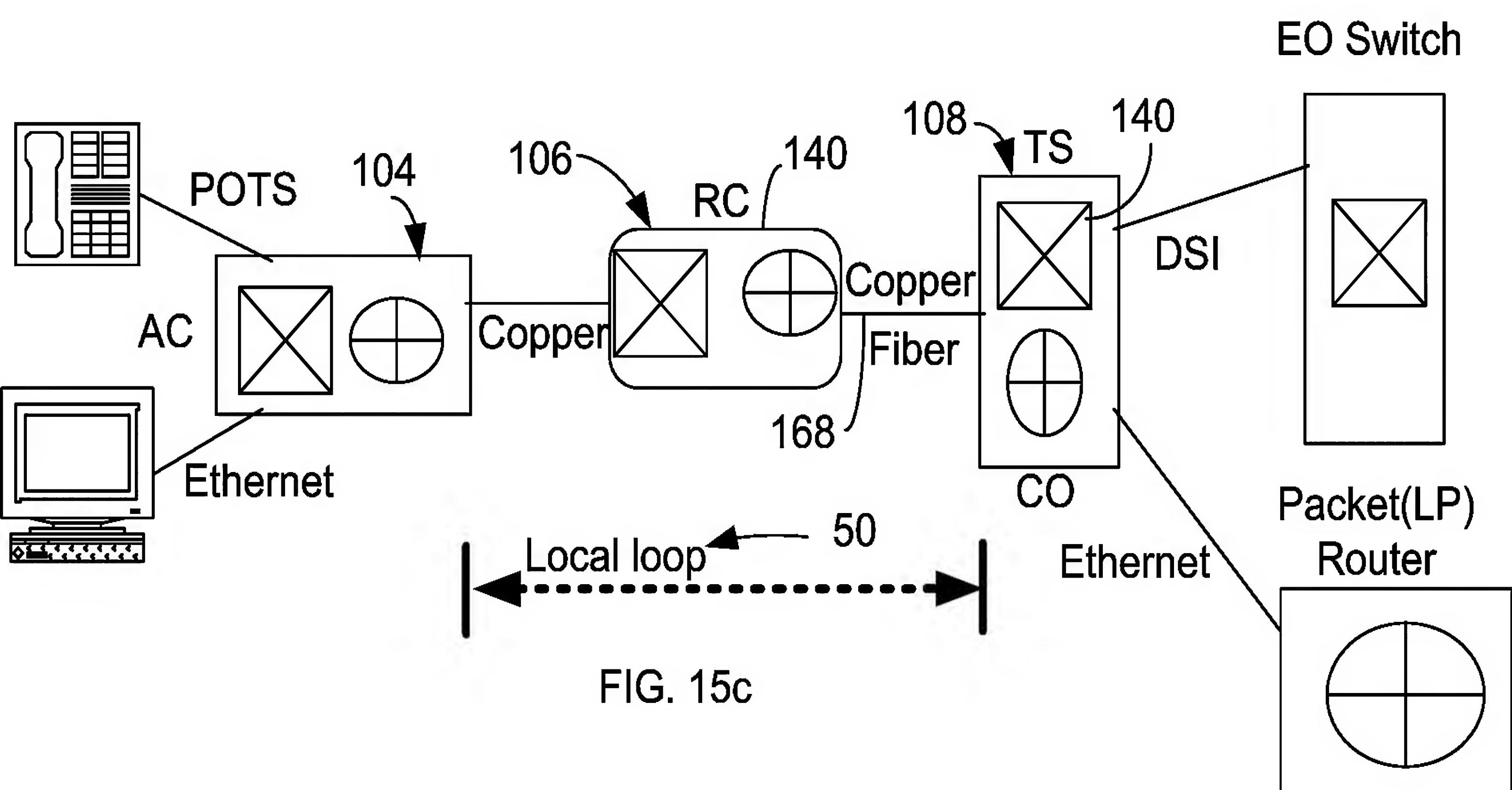
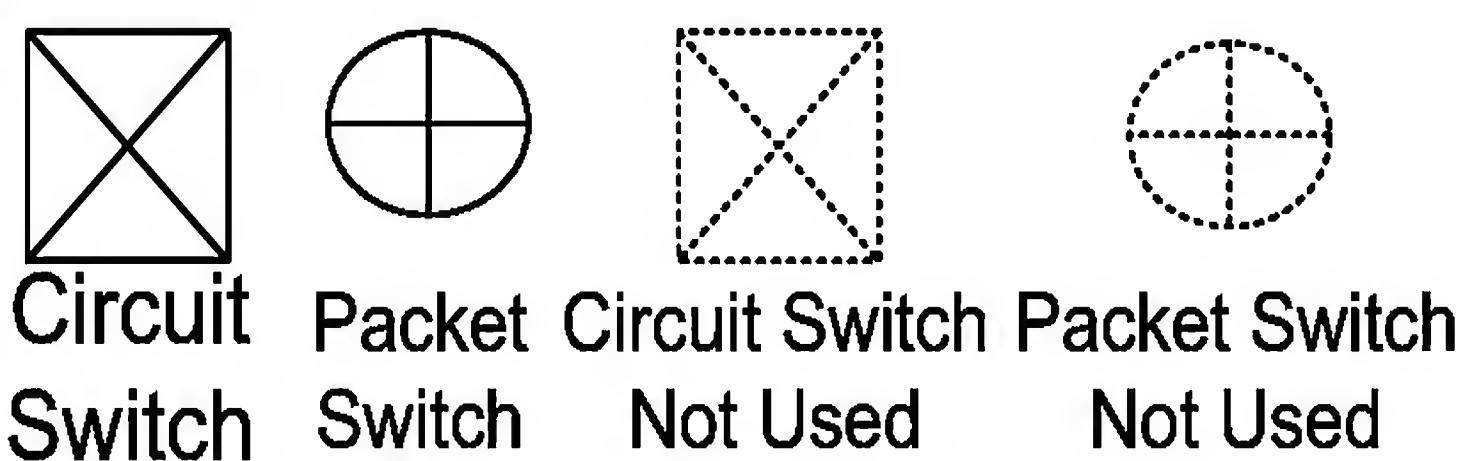


FIG. 15c



AC- Access Concentrator
 RC-Remote Concentrator
 TS- Transfer Switch
 POTS- Plain Old Telephone Service

EO- End Office
 CO- Central Office
 DS1- Digital Signaling (?)

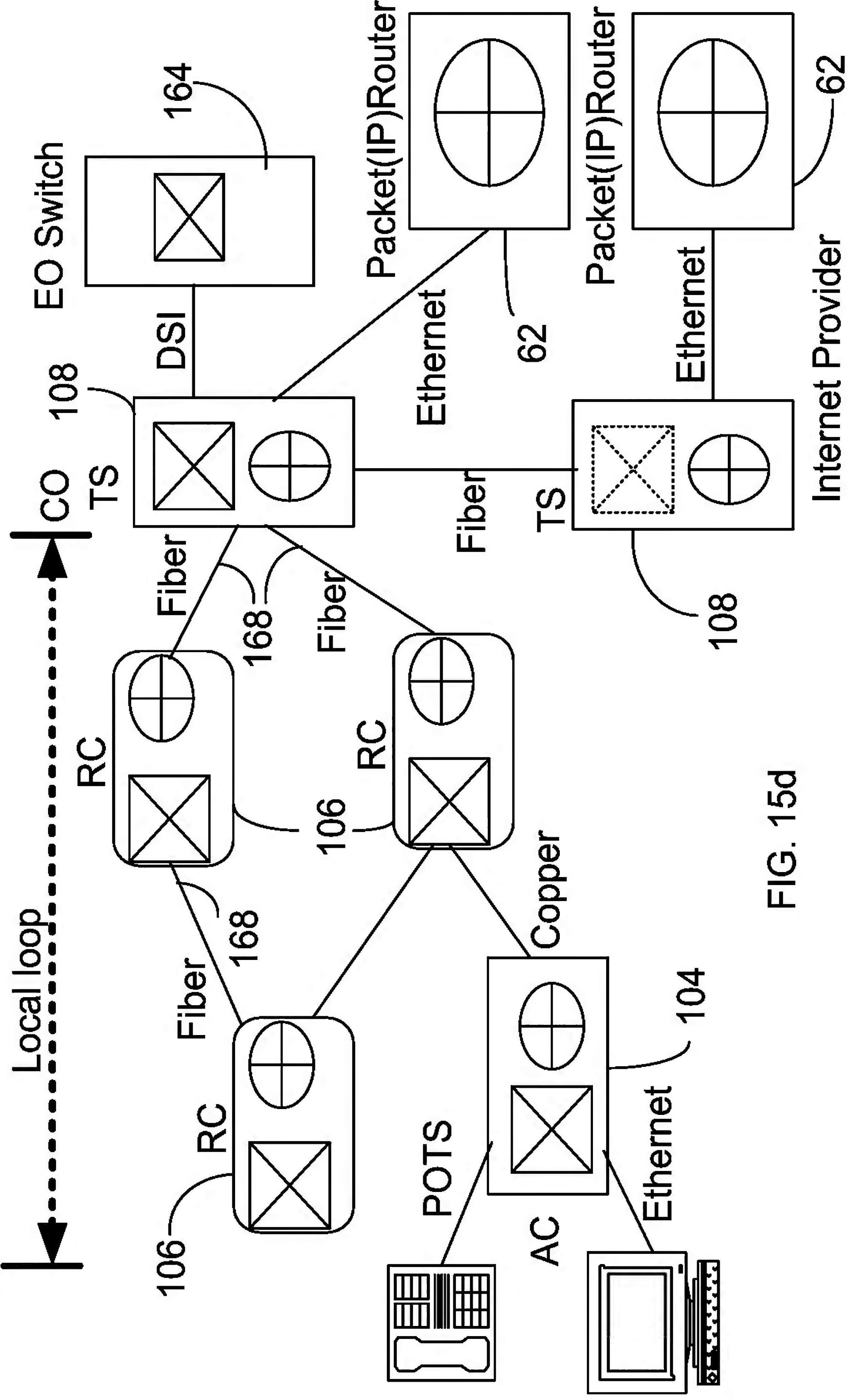
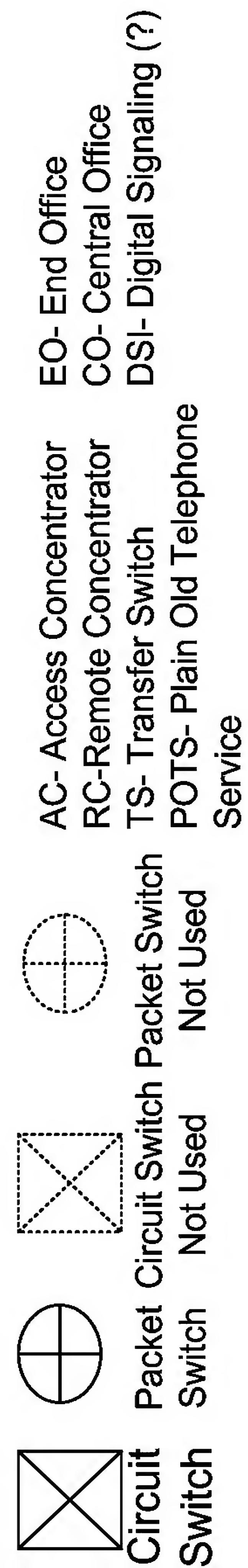
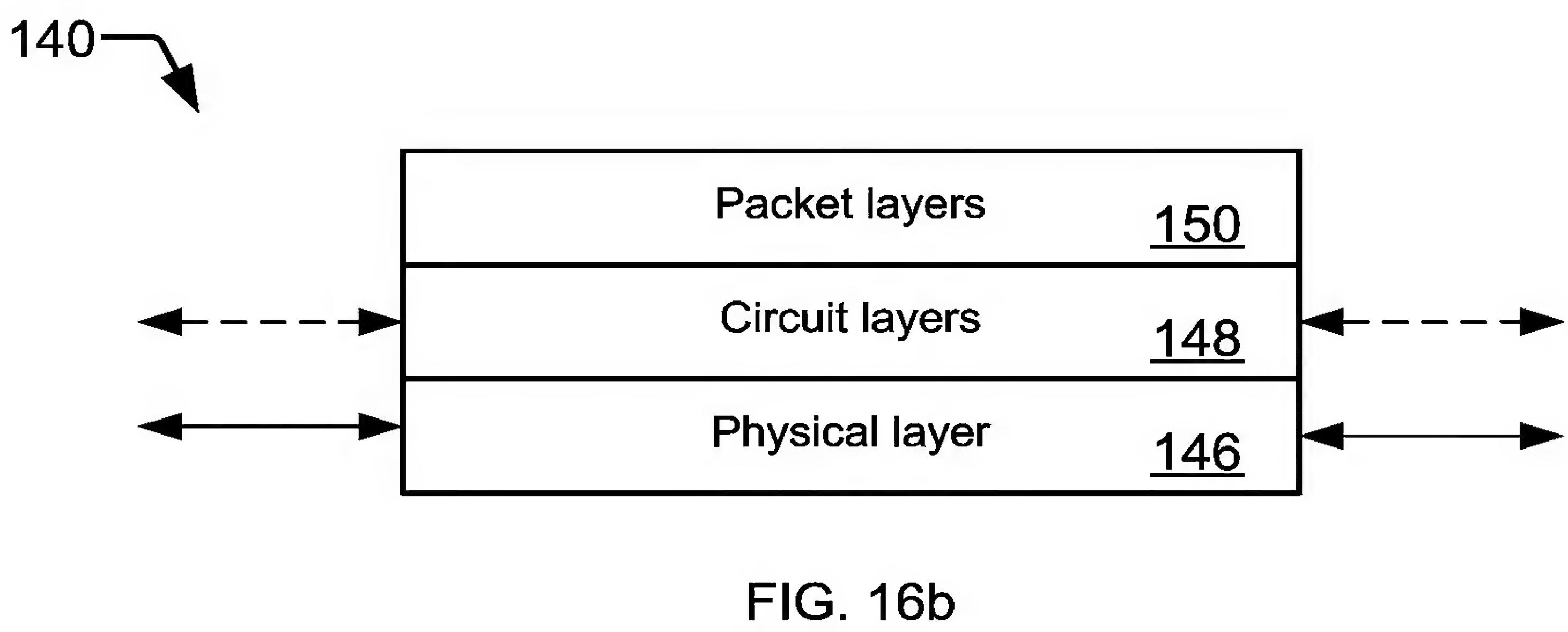
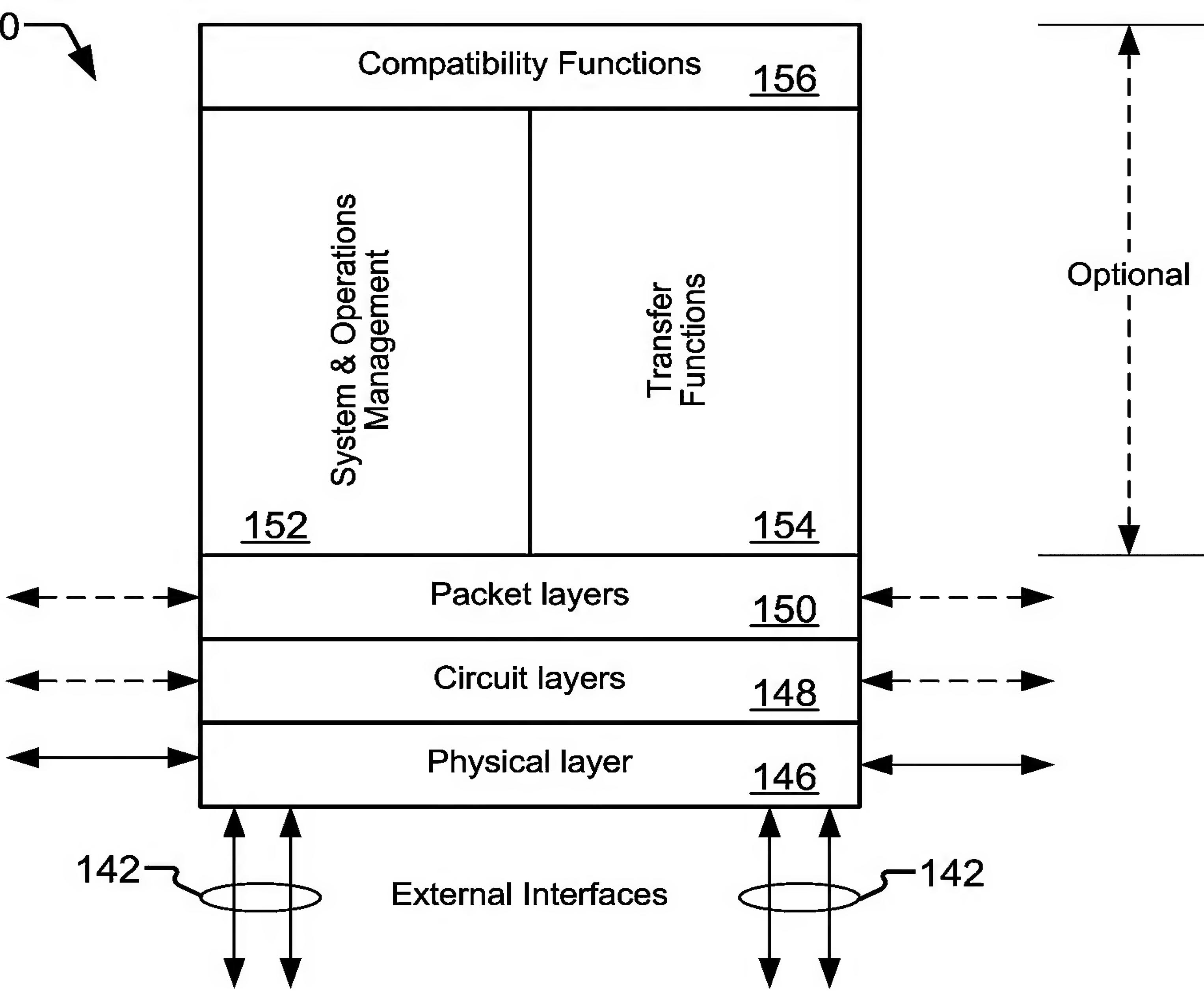


FIG. 15d





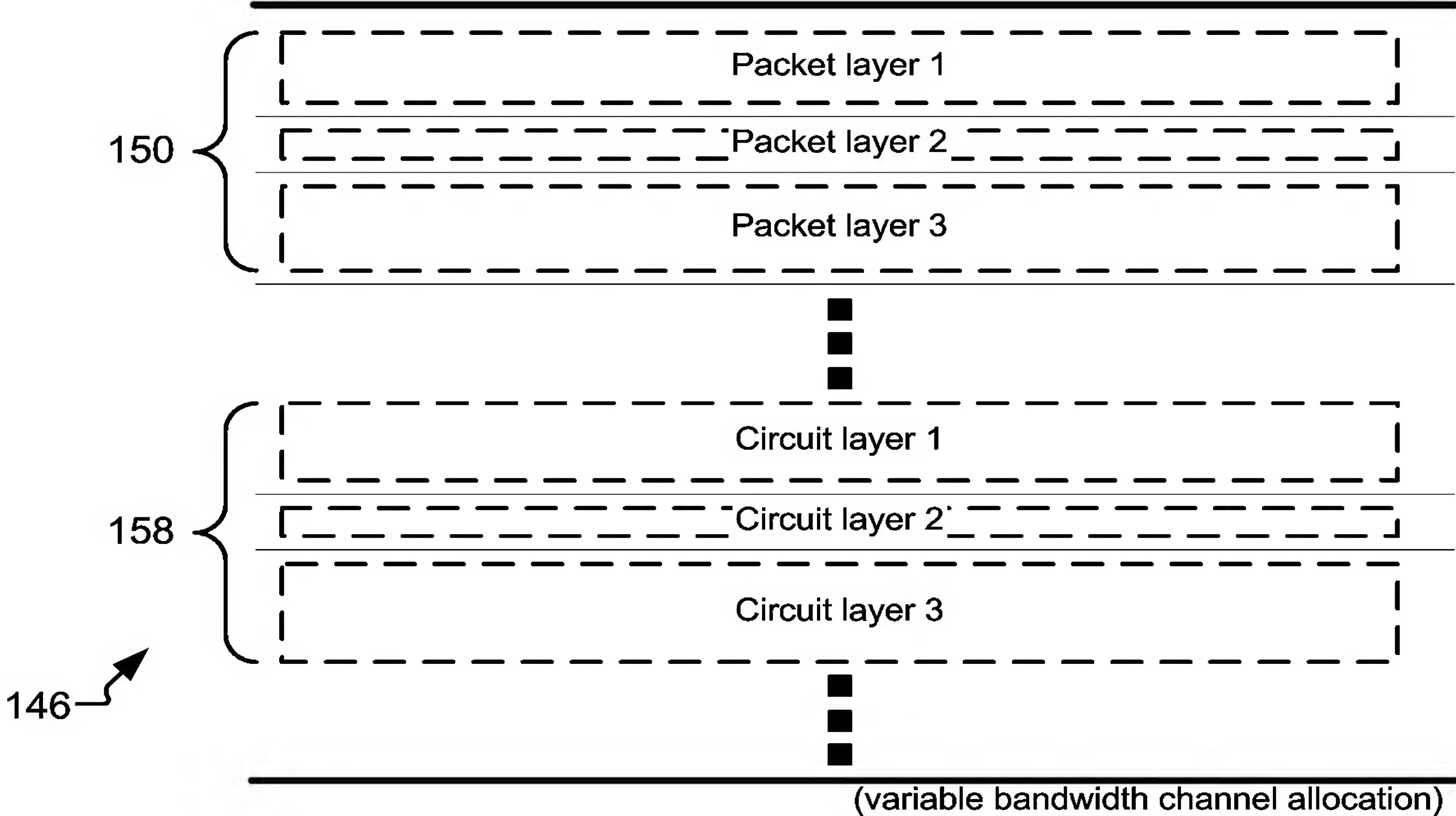


FIG. 17

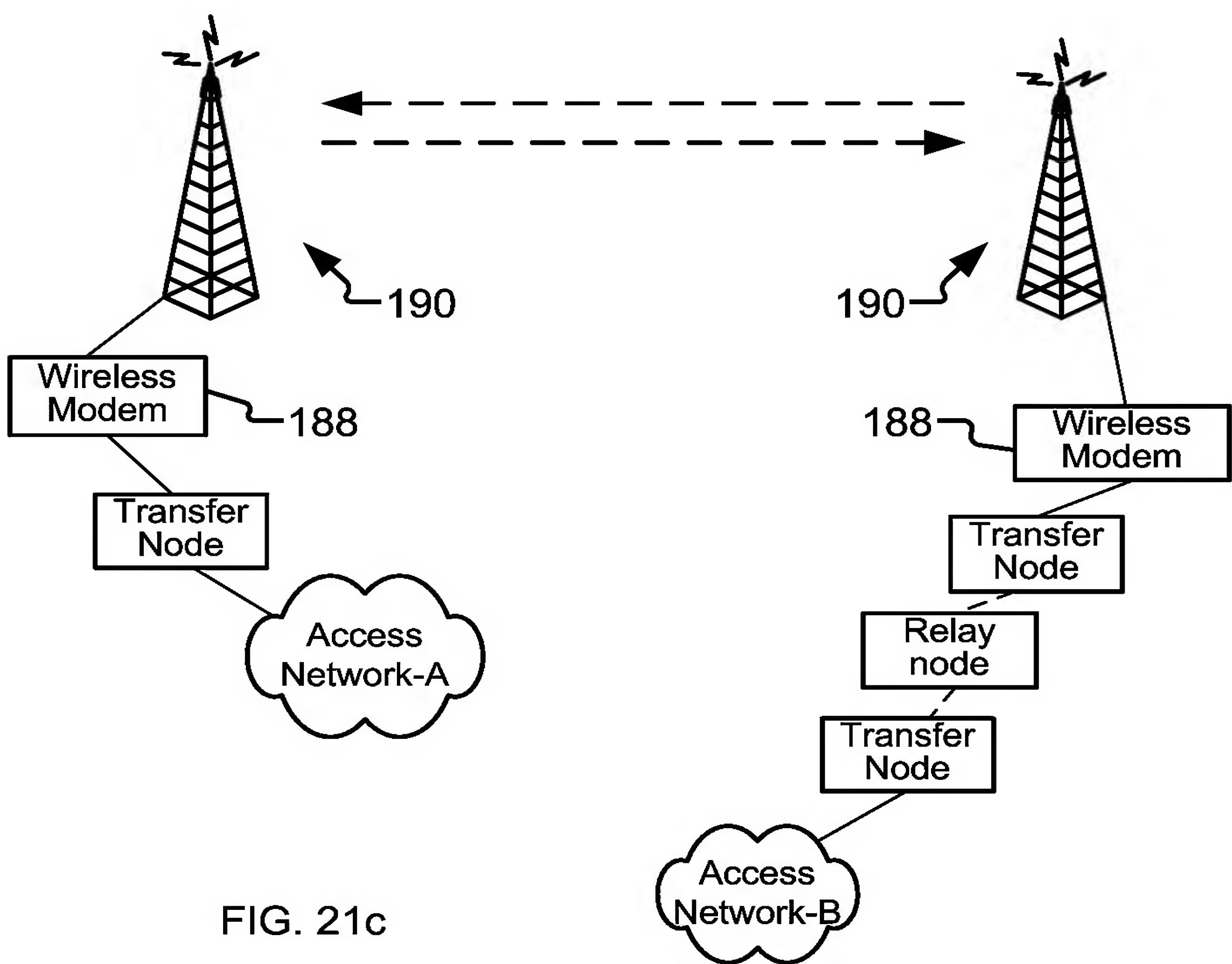


FIG. 21c

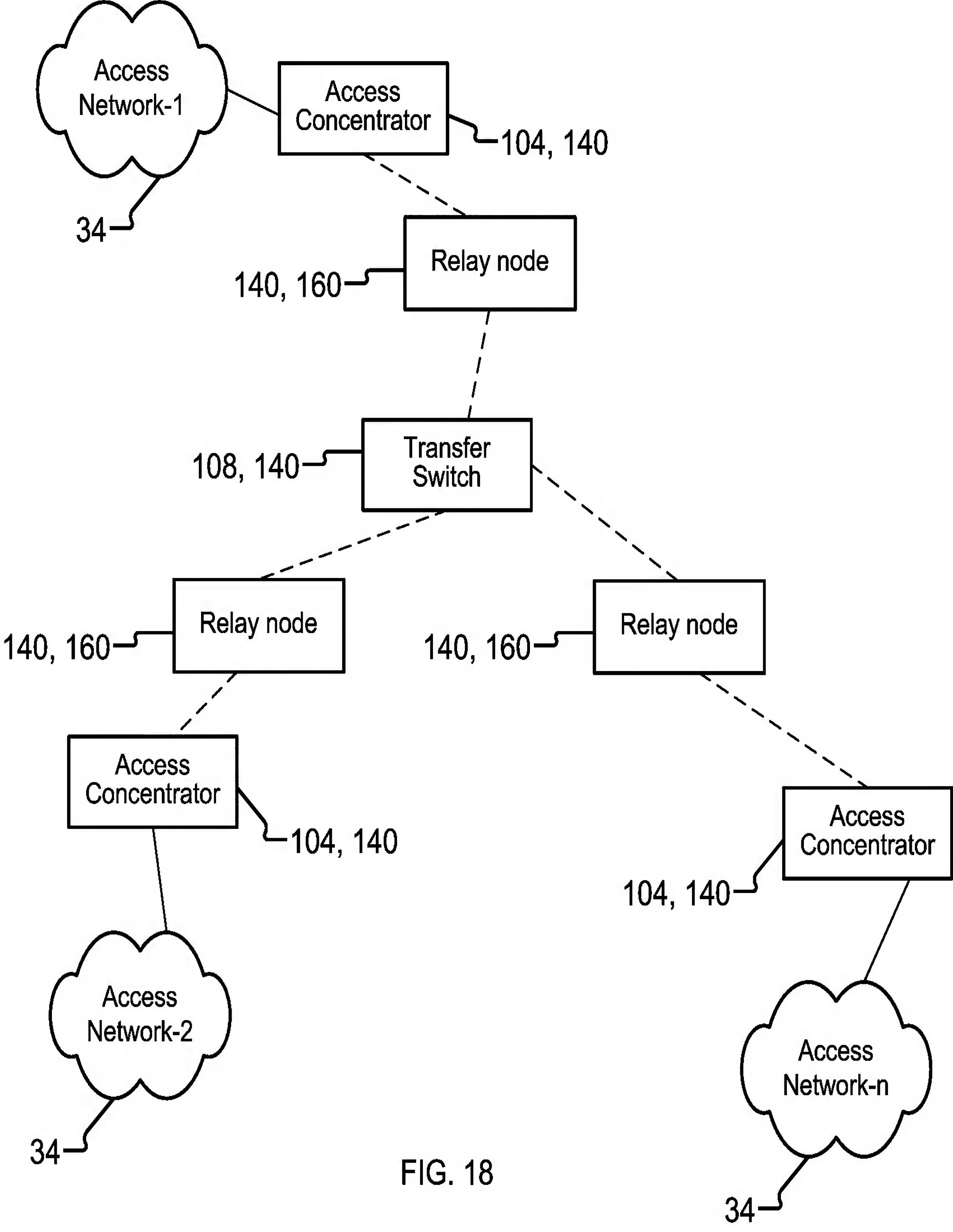
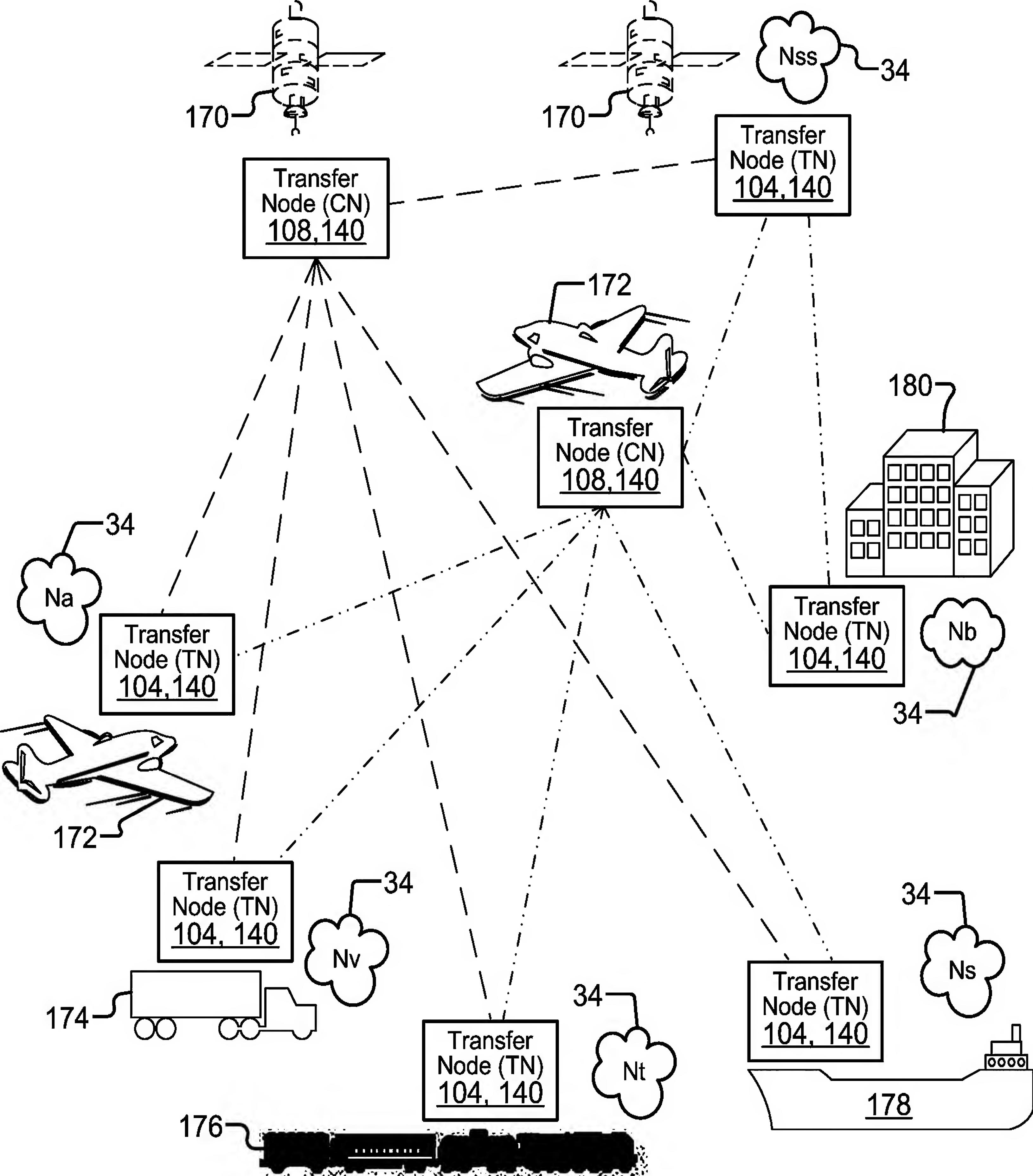
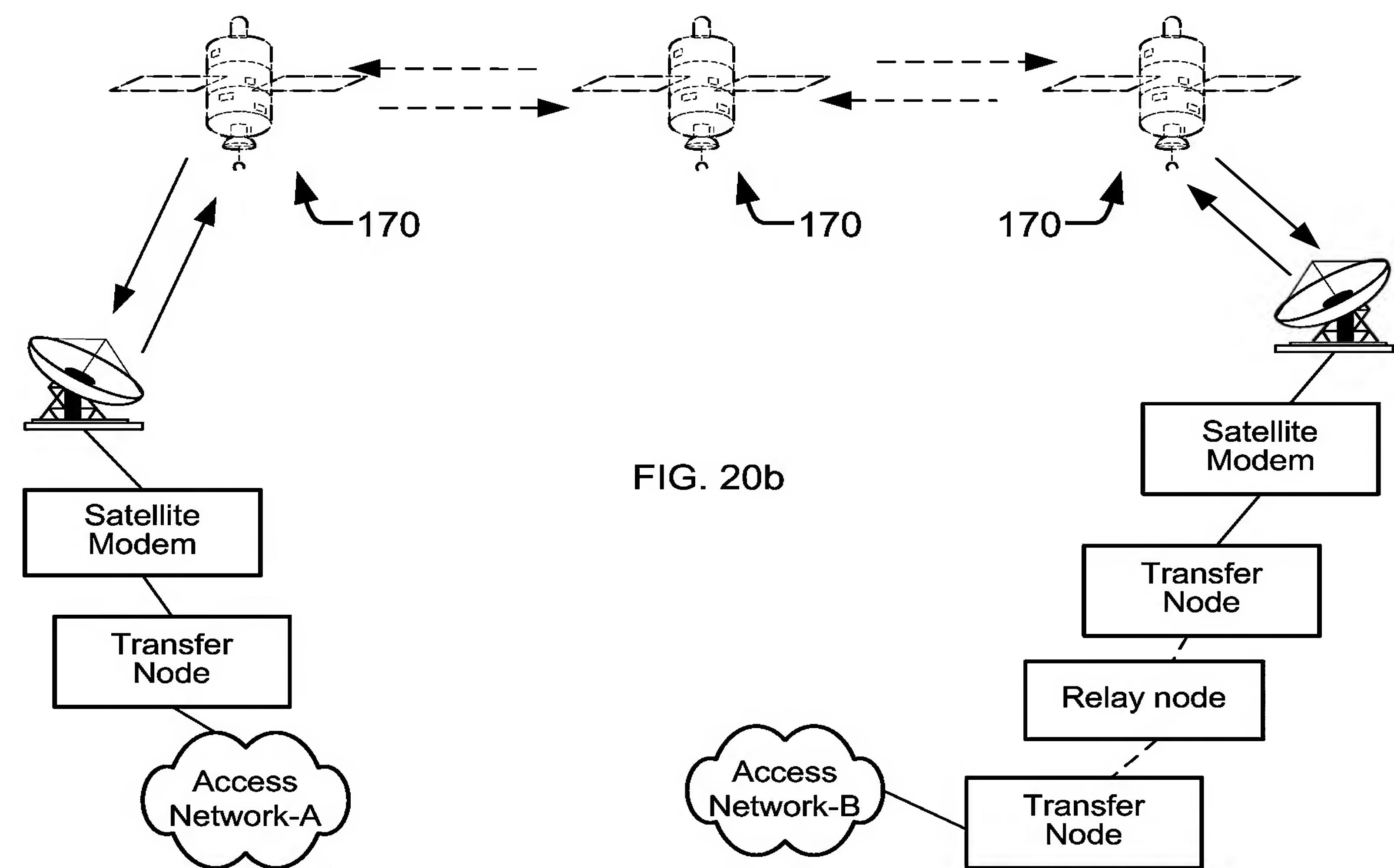
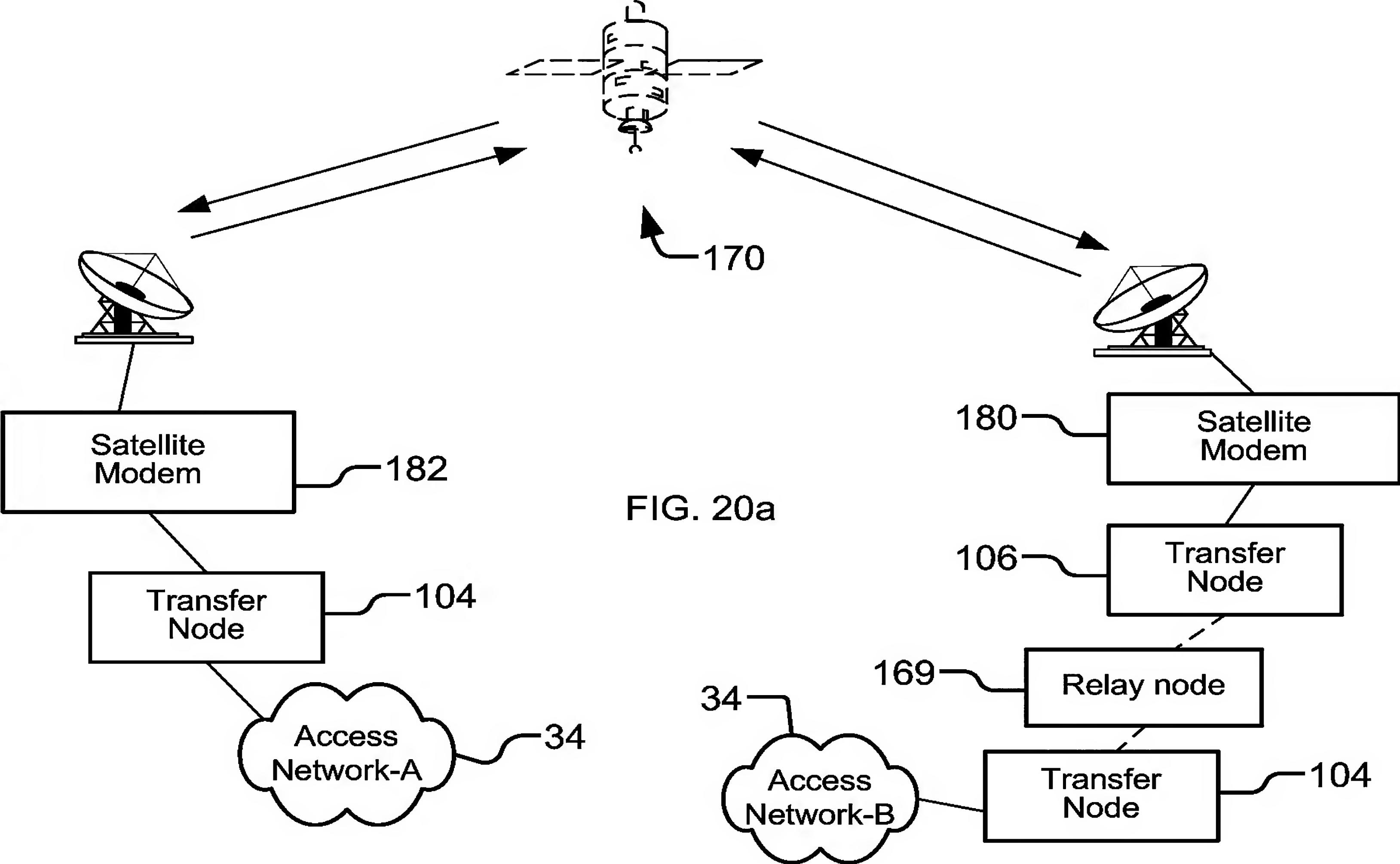


FIG. 18



Note: Nx - Network x

FIG. 19



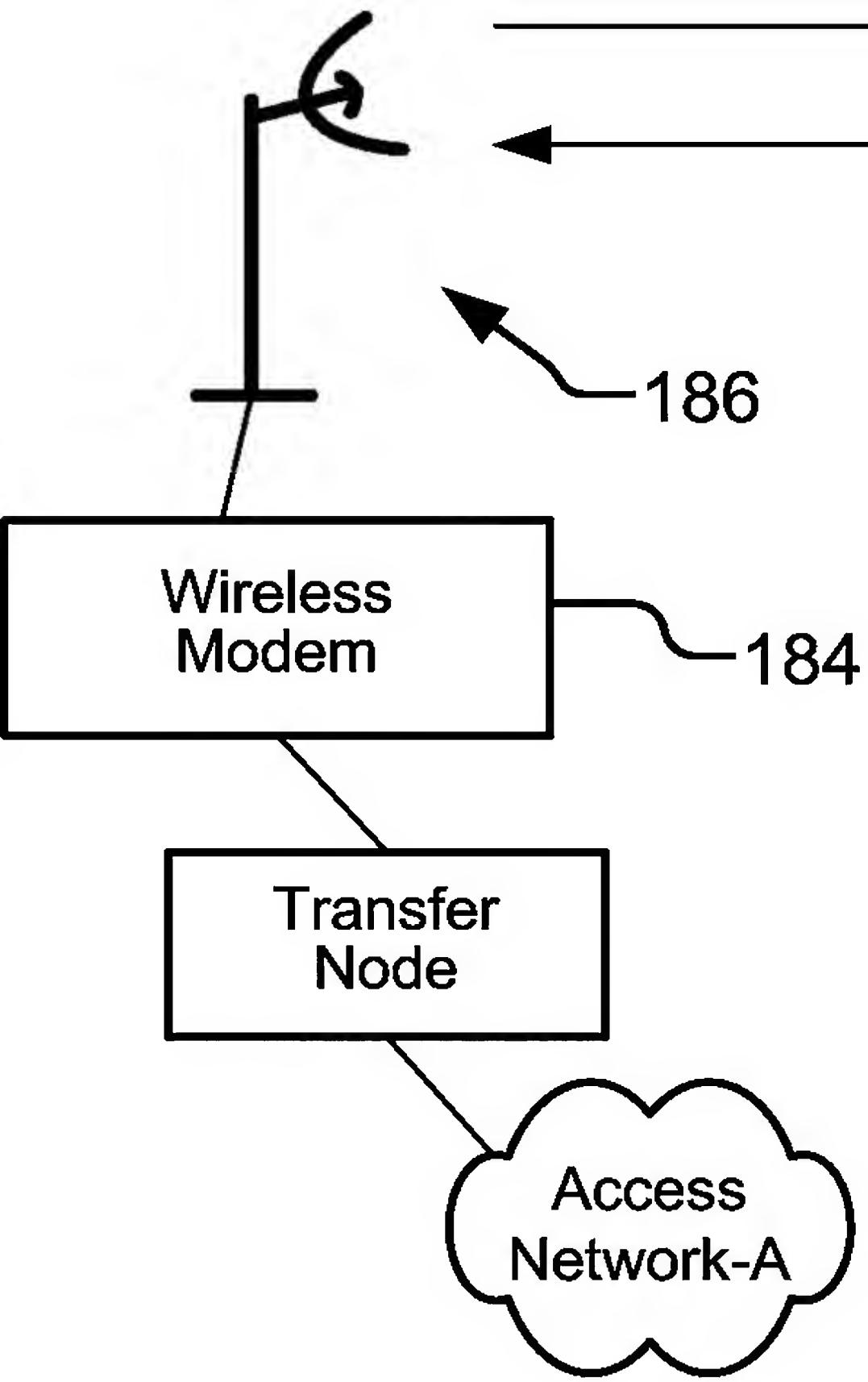


FIG. 21a

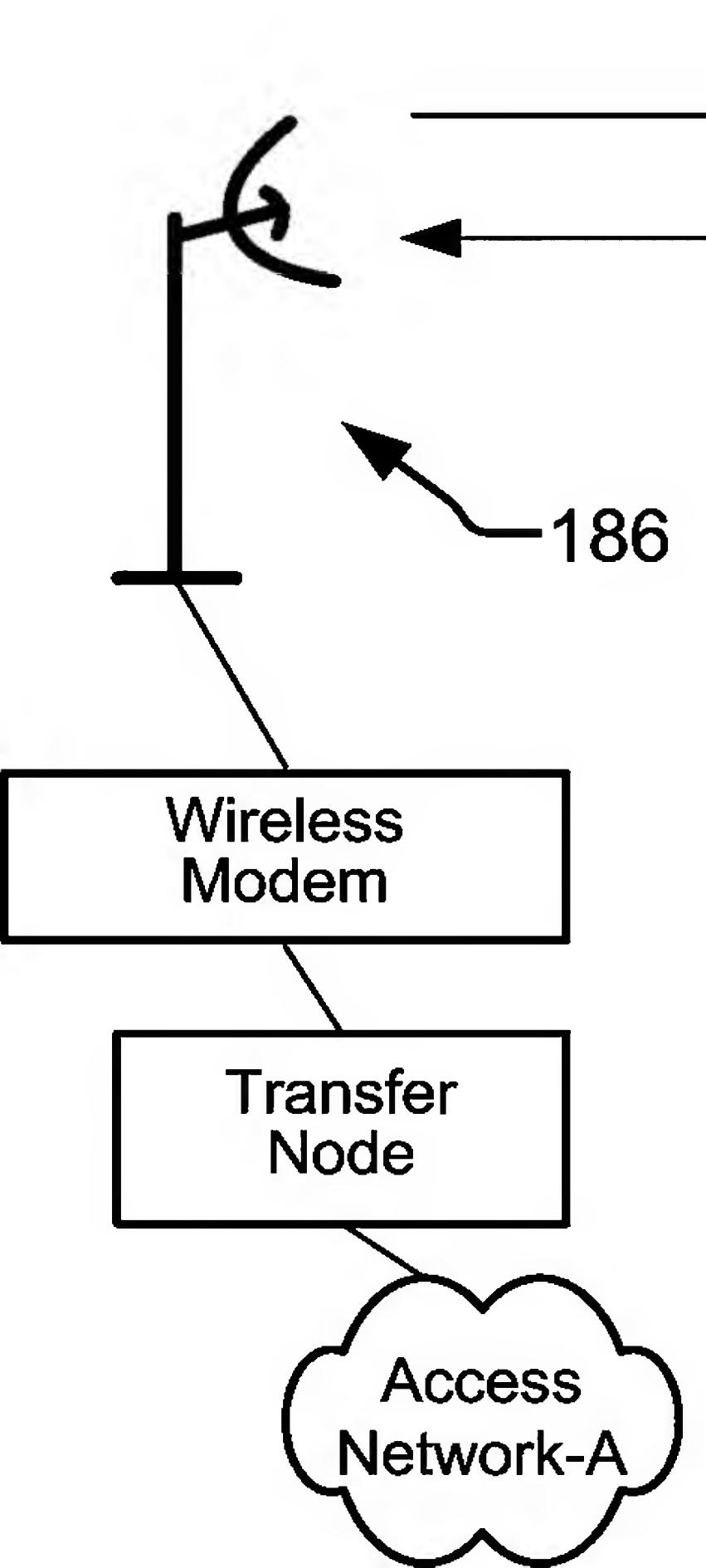
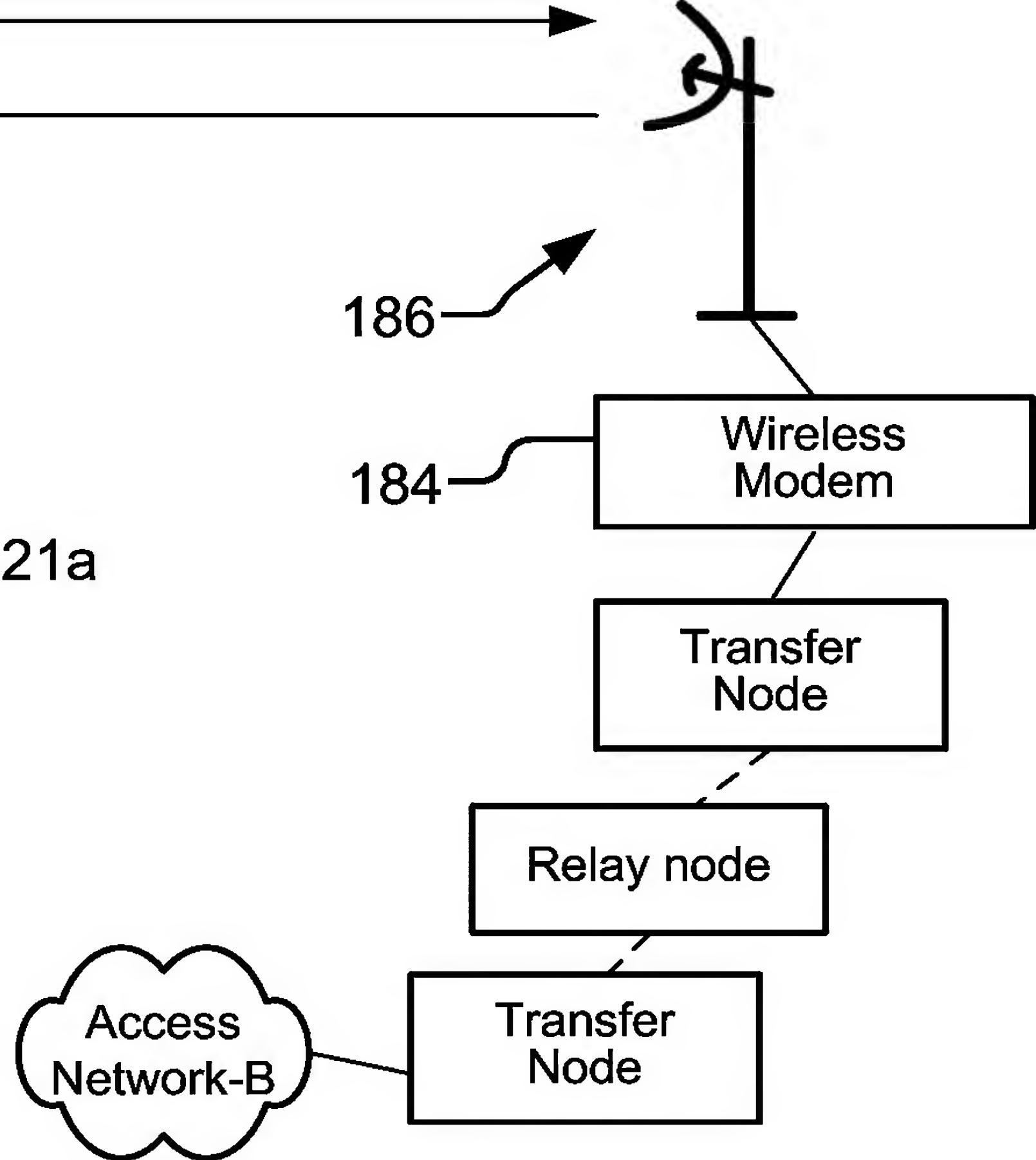
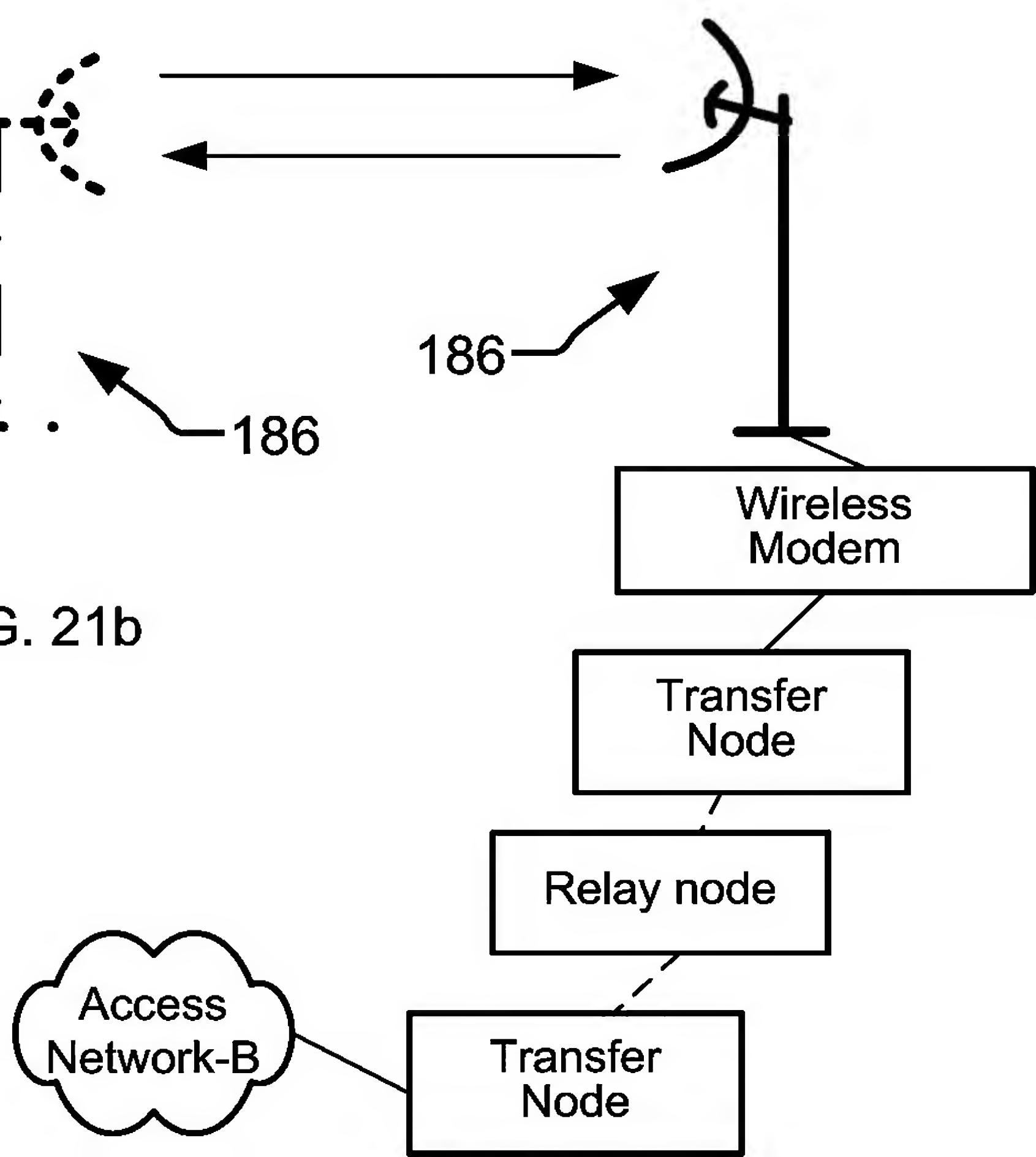


FIG. 21b



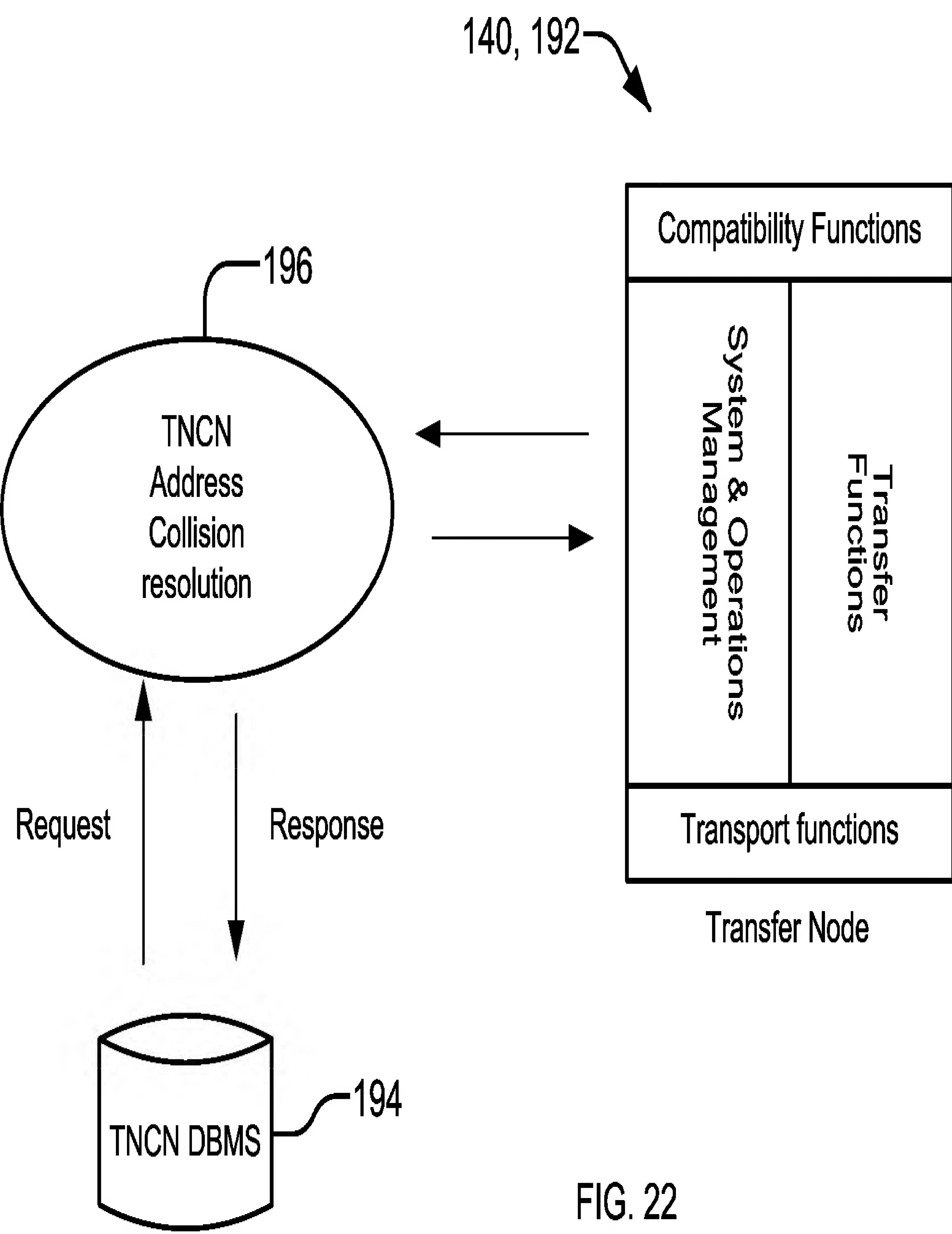
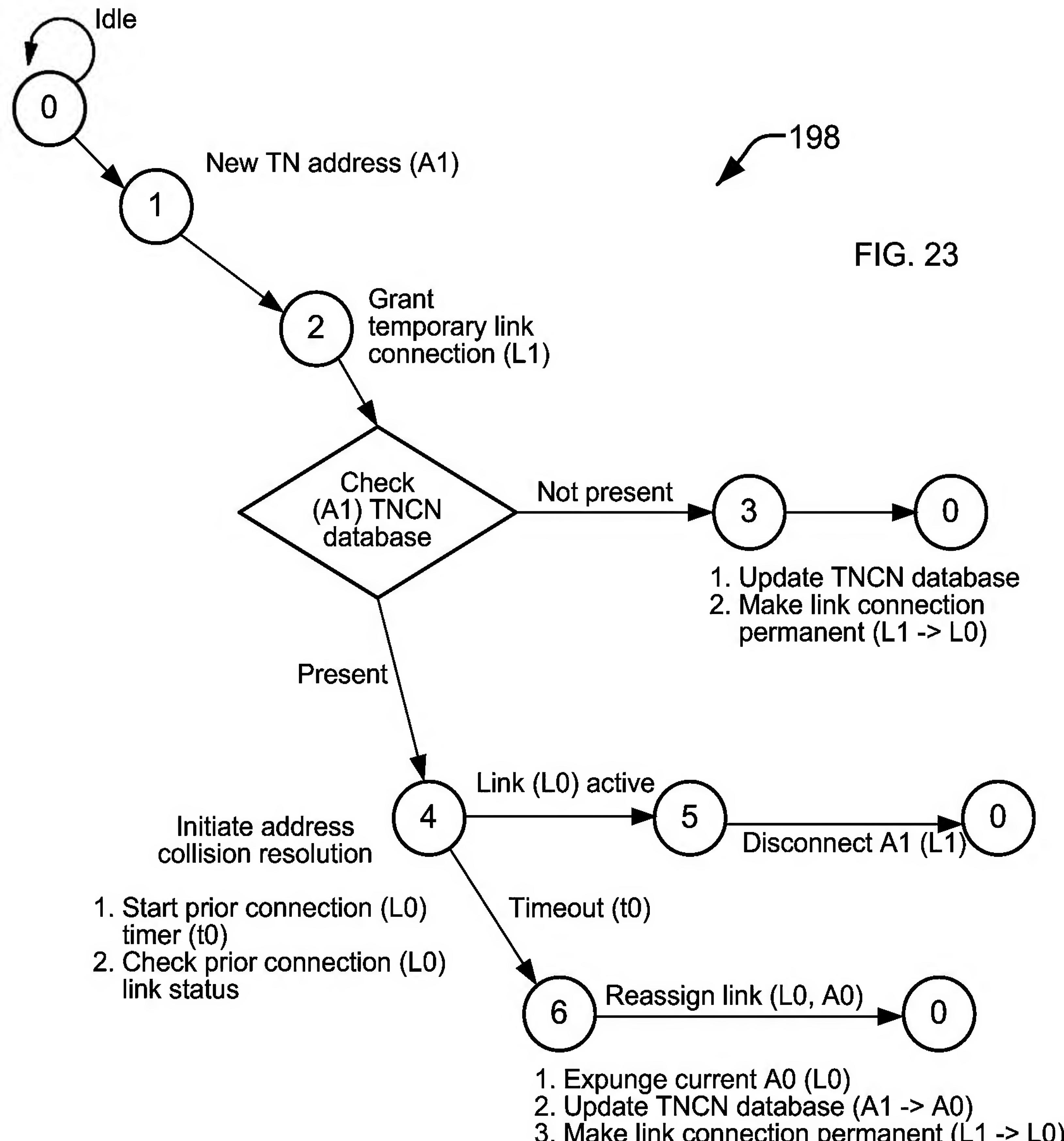


FIG. 22



Notes:

L0 -- current link connection for a TN address (A0)

L1 -- temporary connection for new TN address (A1)

A1 -- new TN address

A0 -- current link (L0) TN address